7. HEALTH FACILITIES

7.1 Clinics

The existence of two health clinics are reported in the whole survey area. Both health clinics, type C1, are supported by SCA. The supporting NGO pays all costs including staff salary, materials and administration. The two existed clinics have building (see Tables 7.1, 7.2 and Appendix K).

Table 7.1: Health facilities

Clinic				Number of staff					
	Type			Doctors		M.H.W		Nurses	
Number	C1	C2	C3	Male	Female	Male	Female	Male	Female
2	2	0	0	3	0	5	0	8	0

Building		Activities		Average	EPI introduced	
Yes	No	D/W	H/D	Patient/day	Yes	No
2	0	6	6	50	2	0

No. of villages surveyed: 84

M.H.W = Medical health worker
D/W = Days/week
H/D = Hours/day

These clinics are open for 6 days in a week and working 6 hour/day. An average of 50 patients receiving medical treatment daily. The main diseases reported in the surveyed area were cholera, diarrhoea, dysentery, fever, flue, malaria, measles, obstetrics, pneumonia, stomach ache, T.B, typhoid, etc.

Table 7.2: Clinics funding sources

Type of Clinic	Funding sources			
	Salary		Material	
	SCA	ARC	SCA	ARC
C1	2	0	2	0
C2	0	0	0	0
C3	0	0	0	0

No. of villages surveyed: 84

A total of 16 medical and supporting staff are busy in 2 existed clinics. The team comprised of three male doctors, 8 male nurses and 5 male MHW.

34% of the surveyed villages located in a distance less than 5 km from the nearest health clinic. 37% of villages have a distance of 6 to 10 kms, 15% of the villages are located in a distance of 11 to 15 kms, 13% of the villages are located in a distance of 16 to 20 kms, and only 1% of the villages located at a distance of over 20 kms from the health clinic (see Table 7.3 and Appendix K1). The distance marked over 20 kms describes the location of the village from the center of the province (Jalalabad city).

Table 7.3: Distance of the villages from the nearest clinic (km)

No. of villages without clinic	% of villages in each range				
	<=5	6-10	11-15	16-20	>20
82	34	37	15	13	1

No. of villages surveyed: 84

7.2 Pharmacies

There are 15 private pharmacies in the survey area. These pharmacy centers were located in only 8 villages and the remaining 76 villages had no medical store facilities. Of 76 villages, without pharmacy center, 46% are located in a distance of 5 kms or less than 5 kms from the nearest medical store, 37% are located at a distance between 6 to 10 kms, 8% remain in a distance of 11 to 15 kms, 8% are located in a distance of 16 to 20 kms and the last 1% located at a distance of over 20 kms from the nearest pharmacy (see Tables 7.4, 7.5. and Appendices L and L1).

Table 7.4: Pharmacies

Number of pharmacies	
Private	Public
15	0

No. of villages surveyed: 84

During interviews with households, it was discovered that the villagers mostly rely upon the medical facilities which are available in Jalalabad city, therefore the distance marked above 20 kms is the distance of the villages from Jalalabad.

Table 7.5: Distance of the villages from the nearest pharmacy (km)

No. of villages without pharmacy	% of villages in each range				
	<=5	6-10	11-15	16-20	>20
76	46	37	8	8	1

No. of villages surveyed: 84

8. EDUCATION

A total of two home based, 7 primary and 3 secondary schools for boys were operating in the survey area. A total of 3,520 boys were attending school classes. A total of 118 male teachers were teaching in those schools (see Table 8.1 and Appendix M).

Table 8.1: Functioning schools

Number of functioning schools								No. of teachers	
Boys				Girls					
	Public				Public				
Home	Primary	Secondary	No. of students	Home	Primary	Secondary	No. of students	Male	Female
2	7	3	3520	0	0	0	0	118	0

No. of villages surveyed: 84

From 10 public and two home schools operating in the survey area, only 2 schools had buildings and the other 8 schools were without buildings. Students were attending classes under trees and/or walls of the destroyed school buildings, where they could find shadow in order to protect themselves from the direct sunshine.

Government was supporting 11 schools with staff salary and 10 schools with education material, while the community was supporting the other two schools with education material and the last one with only staff salary (see Table 8.2 and Appendix M).

Table 8.2: Education material, building and funding sources

Number of villages reported

Eduction material		Building		Name of funding sources							
				Salary				Material			
Yes	No	Yes	No	Govt	ARC	SCA	Community	Govt	ARC	SCA	Community
11	1	2	10	11	0	0	1	10	0	0	2

No. of villages surveyed: 84

9. DAMAGED INFRASTRUCTURES

A total of 4,941 houses were estimated in the survey area, of which 3,011 were unaffected, while 1,252 and 678 houses were damaged and completely destroyed, respectively. People ranked reconstruction of house as priority number one (see Table 9.1 and Appendices N and O).

Table 9.1: Damaged infrastructures

Infrastructures	Number of structures: Unaffected	Damaged	Completely destroyed	Priority ranking for rehabilitation
House	3011	1252	678	1
Health clinic	2	0	0	5
School	2	0	4	4
Drinking water supply scheme	0	5	0	3
Wells	956	430	193	2

No. of villages surveyed: 84

The building of two health clinics were unaffected, while buildings of 4 schools were completely destroyed, and the building for two other schools were unaffected. A total of 5 drinking water supply scheme has been found in the survey area and all of them recorded as damaged structures. Wells are the other main drinking water source; according to the survey, a total of 1,579 shallow wells have been recorded, out of that only 956 were in working condition, 430 damaged and 193 has been completely destroyed.

Interviews with the inhabitant of the survey area revealed that the reconstruction and rehabilitation of different type of structures were the immediate demand of the people. Demand have been prioritized as per needs of inhabitant. Priority number one was found to be reconstruction of the damaged or destroyed houses, second priority is construction of the wells, third priority is construction of drinking water scheme and fourth priority is construction of school building.

10. UN AGENCIES AND NGOS ACTIVITIES

A total of 7 UN Agencies and NGOs have worked in the surveyed villages of Sherzad district. For their names and activities see Appendix P.

11. APPENDICES

APPENDIX A

SURVEY QUESTIONNAIRE

MADERA/DACAAR /GAA BASELINE DATA SURVEY FORM

Date: ______________

Enumerator's code: ______________

Number of people in meeting: ______________

Number of active speakers: ______________

Province: ______________

District : ______________

Main village: ______________

Sub village : ______________

I- POPULATION:

Time	Households* not native to the village	Returnee households in the village	Total number of households in the village	Households in			Total households
				Pakistan	Iran	Afghanistan	
Present							
Before the War							

* One household is defined as a group of people sharing cooking pot.

II- LAND TENURE:

Time	Irrigated land during one year (jerib)	Rainfed land during one year (jerib)	Households owning land (owners)	Households not owning land (Tenants)	Households owning & renting land (Owner cum Tenants)	Total households
Present						
Before the War						

III- LIVESTOCK:

Time	% of households Owning animals	Total number of animals						Total number of oxen
		Cattle	Goat	Sheep	Donkey	Horse	Other	
Present								
Before the War								

IV- IRRIGATION INFRASTRUCTURE:

a. Source of irrigation: **1.** ________________ **2.** __________________ **3.** ___________________ **4.** __________________

b. Is the irrigation system fully operational at present ? Yes No

If No, how could you solve its problem ?

1. Construction of intake Yes No
2. Reconstruction of karez Yes No
3. Lining of water course Yes No
4. Maintenance of water course Yes No
5. Construction of other canal structures Yes No
6. Maintenance of karez Yes No
7. Other (Specify): ____________________

Between these problems, which one is the most important? ___________

V- OTHER INFRASTRUCTURES:

1. ROAD:

Is there any road leading to the village? Yes No

If Yes, what type of road? _________

A- Road usable by simple pick-up or car
B- Road usable by 4WD vehicles
C- Mule track

What is the condition of the road? _________

A- Good
B- Fairly Good
C- Bad

2. DRINKING WATER SUPPLY:

Time	Source of drinking water					No. of private wells		No. of public wells		Diesel water pump
	Stream	Canal	Karez	Spring	Pipe Water	Deep	Shallow	Deep	Shallow	
Present										
Before the War										

1. INTRODUCTION

1.1 Description of the Survey Area

A map of the approximate boundaries of the survey shows that Sherzad district located in the far western Nangarhar Province with a total of approximately 583 square kilometers. Sherzad district is bounded to the north by Sarobi district (Kabul), to the east by Surkh Rud and Khogiani district of (Nangarhar), to the west by Hesarak district (Nangarhar), to the south by Spin Ghar (White Mountain). Sherzad has about 84 villages. Much of the land in this area is mountainous especially in the west and south, but the east slopes goes down to a high plain.

Sherzad district located in 34:15'00"N latitude and 70:00'00"E longitude[1]. The elevation of the center of the district from the sea level is 1,450 meters, and the area remains relatively cooler than the Jalalabad city during the summer seasons.

From 1979 until 1989, the control of Sherzad area by Afghan and Soviet armies was challenged by the resistance forces. A decade of bombing, rocket attacks, and ground fighting caused massive refugee exodus. Based on UNIDATA survey record, a total population of Sherzad was 41,102 of which 24,731 were refugee in Pakistan and 16,371 were reported to be inside.[2]

The major tribe in the area is the Pushtun Khogiani Sherzad. According to the Central Statistic Office (CSO), the adjusted population of Sherzad was over 33,000. In May 1989, DCAR estimated that 10,000 to 13,000 people were living in refugee camps here in Pakistan. An agency working in the area estimated (February 1990) over 26,000 people were living in Sherzad then[3].

ACBAR report, March 1992, the total population of Sherzad district estimated 49,949 people, out of that 3,111 households recorded as refugee in Pakistan. Sherzad is inhabited mainly by the pushtun Khogiani Sherzad tribe, although many others are also represented[4].

The population of Sherzad derives its livelihood predominantly from agriculture supplemented by timber harvesting. The main crops in Sherzad district are wheat,

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[1] *__A Provincial Gazetteer of Afghanistan,__ Volume II, PP. 567-570, Afghan Demographic Studies, Central Statistic Office, Feb 1975.*

[2] *UNIDATA, __Population Estimates, By province, District, sub District,__ April 1991 PP. 77-82.*

[3] *UNHCR Background Report, __Nangarhar Province,__ Sep 1989 PP. 23*

[4] *ACBAR Report, __Nangarhar Province,__ March 1992, P. 5.*

VI- HEALTH FACILITIES:

Is there any clinic in the village ? Yes No If **Yes**, ask the following questions from the clinic incharge.
If **No**, how far is the nearest clinic to the village ? _______ (km)

Time	Health Facility		No. of doctors		No. of MHW		No. of nurses		Fund. sor.		Building		Activity		Average	EPI introduced	
	No.	Type	M	F	M	F	M	F	S	Mat.	Yes	No	D/W	H/D	patient/day	Yes	No
Present																	
Before the War																	

Type= **C1, C2, C3** MHW=Medical Health Worker M=Male F=Female
Fund. sor.=Funding source S=Salary Mat.=Material D/W=Day per Week H/D=Hour per Day

Major health problems:

1. ______________ **2.** ______________ **3.** ______________ **4.** ______________ **5.** ______________

Is there any pharmacy in the village ? Yes No If **Yes**, ask the following question :

Number of pharmacy: ______ Type of pharmacy: Private Public If **No**, how far is the nearest pharmacy to the village ? _______ (km)

VII- EDUCATION:

Time	No. of functioning boys schools			No. of students	No. of functioning girls school			No. of students	No. of teachers	
	Home	Public			Home	Public				
		No.	Type			No.	Type		Male	Female
Present										
Before the War										

Type = Primary / Secondary

VII- EDUCATION: (Cont...)

Time	Education material		Building		Funding source	
	Yes	No	Yes	No	Salary	Material
Present						
Before the War						

VIII- DAMAGED INFRASTRUCTURES:

Infrastructures	Number of structures			Priority ranking for rehabilitation 1= (most urgent) 5= (less urgent)
	Unaffected	Damaged	Completely destroyed	
Houses				
Health clinic				
School				
Drinking Water Supply scheme				
Wells				

IX- UN AGENCIES & NGO ACTIVITIES:

Are there any NGO working in this village at present or during the past five years? Yes No

If Yes, list their names and type of activities:

Name of UN/NGO	Field of activities
1. ____________	____________________
2. ____________	____________________
3. ____________	____________________
4. ____________	____________________
5. ____________	____________________

APPENDICES B-P

SURVEY RESULTS AT VILLAGE LEVEL

Appendix B: List of villages, households, interviewees and active speakers in Sherzad district

S/N	Main village	Sub village	Number of		
			Households	People in meeting	Active speakers
1	Akram Khel		20	15	3
2	Alikhel		100	25	4
3	Angortak		20	15	2
4	Ashpan	Naray Jabe	65	16	4
5	Ashpan	Sor Dag	400	28	2
6	Balal Khel		145	30	10
7	Bar Asphan		26	10	3
8	Behzad Khel		50	20	4
9	Cela		30	20	2
10	Gandomak	Pas-qala	80	24	2
11	Gandomak	Qazian	80	15	0
12	Gandomak	Sangeray	23	14	3
13	Gandomak	Sawatyan	70	27	2
14	Gandomak	Shawa	45	21	3
15	Gandomak	Zangzai	45	23	3
16	Garday Menah		25	18	2
17	Gharah		200	17	4
18	Ghunday (Malalah)		42	20	4
19	Ghunday (Srah)		50	21	3
20	Godar (Jabeh)		40	21	2
21	Gonga Khel		44	20	2
22	Kachara		40	20	3
23	Kalagay		25	14	2
24	Kali Khel		130	23	5
25	Kama Termay		30	18	4
26	Kanday	Alikozai	20	8	2
27	Kanday	Kok Khel	35	18	2
28	Kanday	Panangzai	50	28	5
29	Khader Khel (Marke Khel)		250	30	5
30	Khate		24	10	2
31	Khona		35	17	3
32	Khwaza Khel		60	23	2
33	Koram		16	12	3
34	Kotagay		130	24	3
35	Koza Asphan	Mery Khel	100	15	3
36	Kudi Khel		75	31	2
37	Kuz Ashpan	Muza Khan	10	8	2
38	Kuz Ashpan	Shabaz Khel	50	25	4
39	Kuz Ashpan	Shay Khan	60	22	3
40	Kuz Ashpan	Suri Khel	30	18	2
41	Lada Bagh		10	8	2

Appendix B: List of villages, households, interviewees and active speakers in Sherzad district (Cont...)

S/N	Main village	Sub village	Number of: House-holds	People in meeting	Active speakers
42	Langar Khel		40	18	2
43	Loya Termay		200	35	5
44	Malek Kala		60	22	3
45	Malek Qais kalay		25	15	3
46	Maly Khel		80	16	3
47	Mama Khel		80	23	3
48	Margha		160	28	3
49	Mirgad Khel		105	26	4
50	Muzdakay		40	20	3
51	Nandar Khel		130	25	5
52	Panangyan		45	20	2
53	Patlah	Alambeg Khel	90	26	5
54	Patlah	Khoshal Khel	25	13	4
55	Patlah	Lashkar Khel	100	25	3
56	Patlah	Muhmand	60	14	3
57	Patlah	Nader Jabee	25	15	3
58	Patlah	Spin Kalay	130	30	2
59	Rishakah		60	20	2
60	Rood	Fato kac	26	18	4
61	Rood	Jangalyan	75	25	1
62	Rood	Yosuf kac	75	24	3
63	Sada Kas		35	18	2
64	Sam Kaney		85	33	4
65	Samal Khel		100	34	4
66	Shanawar		70	25	2
67	Shekhan		120	20	3
68	Shorla Khel		50	18	3
69	Sorab Kalay		35	22	3
70	Surkh Pul		50	20	3
71	Toto	Goar Khel	150	33	4
72	Toto	Khad Khel	80	22	3
73	Toto	Khan Jan Qala	45	19	4
74	Toto	Malek Qala	30	28	6
75	Toto	Peshdare	45	20	4
76	Toto	Qala-i-Haji	40	17	4
77	Toto	Ramal Khel	50	22	3
78	Toto	Sadah Khel	440	25	6
79	Toto	Sangar Khel	130	32	3
80	Toto	Sre Khawre	12	5	1
81	Urbashgara		50	22	3
82	Wata		40	22	1
83	Welchlegad Kholeh		45	20	1
84	Wodisar		60	22	4

Appendix C: Population and refugee status in Sherzad district

		Not native		Returnees		Total	Displaced		Pakistan		Iran		Total
Main village	Sub village	Present	Before War	Present	Before War	Present	Present	Before War	Present	Before War	Present	Before War	Present
Akram Khel		5	Less	12		20	4		3		0		7
Alikhel		7	Less	50		100	0		10		0		10
Angortak		4	Less	8		20	0		13		0		13
Ashpan	Naray Jabe	5	Less	15		65	1	Same	6		0		7
Ashpan	Sor Dag	40		300		400	18	More	100	Less	0		118
Balal Khel		9	More	30		145	0		30		0		30
Bar Asphan		0		23		26	21		8		0		29
Behzad Khel		12	Less	30		50	2	More	20		0		22
Cela		3	Same	8		30	0		0		0		0
Gandomak	Pas–qala	5		60		80	15	More	20	Less	0		35
Gandomak	Qazian	13	Less	30		80	15	Same	25		0		40
Gandomak	Sangeray	0		5		23	0		3		0		3
Gandomak	Sawatyan	5		65		70	5		10	Less	0	More	15
Gandomak	Shawa	5	Less	15	Same	45	5	Less	10		0		15
Gandomak	Zangzai	4	Less	30		45	1	More	3		0		4
Garday Menah		5	Less	15		25	0		0		0		0
Gharah		25	Less	160		200	20	More	6		0		26
Ghunday (Malalah)		1	More	30		42	6	More	4		0		10
Ghunday (Srah)		0		20		50	0		20		0		20
Godar (Jabeh)		0	Same	20		40	6		0		0		6
Gonga Khel		4	Same	10		44	12	Same	2		0		14
Kachara		2	Less	8		40	0		10	Less	0		10
Kalagay		1	Less	25		25	0		6		0		6
Kali Khel		0		65		130	10		40		0		50
Kama Termay		2		10		30	0		8		0		8
Kanday	Alikozai	0		5		20	1	Less	5		0		6
Kanday	Kok Khel	2		30		35	5	More	10	Less	0		15
Kanday	Panangzai	5	Less	20		50	5	Less	20		0		25
Khader Khel (Marke Khel)		10	Same	100		250	0		80		0		80

Appendix C: Population and refugee status in Sherzad district (Cont...)

		Not native		Returnees		Total	Displaced		Pakistan		Iran		Total
Main village	Sub village	Present	Before War	Present	Before War	Present	Present	Before War	Present	Before War	Present	Before War	Present
Khate		1	Same	3		24	1	Same	1		0		2
Khona		0		7		35	0		0		0		0
Khwaza Khel		8		30		60	15		20		0		35
Koram		0		12		16	0		10		0		10
Kotagay		5	Less	45		130	0		41	Less	0		41
Koza Asphan	Mery Khel	1		50		100	0		25		0		25
Kudi Khel		2		60		75	3		6	Less	0		9
Kuz Ashpan	Muza Khan	4	Less	8		10	5	Less	10		0		15
Kuz Ashpan	Shabaz Khel	4	Less	10		50	2		6		0		8
Kuz Ashpan	Shay Khan	10	Less	40		60	0		20		0		20
Kuz Ashpan	Suri Khel	0		12		30	4		20		0		24
Lada Bagh		0		2		10	0		0		0		0
Langar Khel		10	Less	25		40	7	More	15		0		22
Loya Termay		7	Less	80		200	2		16		0		18
Malek Kala		6	Same	10		60	0		10		0		10
Malek Qais kalay		5	Less	18		25	10	Less	10		0		20
Maly Khel		10	Less	80		80	0		20		0		20
Mama Khel		5		70		80	15	More	30	Less	0		45
Margha		10	Less	30		160	0		0		0		0
Mirgad Khel		4	Less	80		105	0		20		0		20
Muzdakay		4	Less	25		40	0		5		0		5
Nandar Khel		12	Same	30		130	10	Same	20		0		30
Panangyan		0		45		45	0		20	Less	0		20
Patlah	Alambeg Khel	4	Less	50		90	5	Less	30		0		35
Patlah	Khoshal Khel	1	Same	10		25	0		12		0		12
Patlah	Lashkar Khel	0		15		100	0		25		0		25
Patlah	Muhmand	0		20		60	0		20		5	Less	25
Patlah	Nader Jabee	0		22		25	0		0		0		0

Appendix C: Population and refugee status in Sherzad district (Cont...)

Main village	Sub village	Not native Present	Not native Before War	Returnees Present	Returnees Before War	Total Present	Displaced Present	Displaced Before War	Pakistan Present	Pakistan Before War	Iran Present	Iran Before War	Total Present
Patlah	Spin Kalay	3		120		130	10	More	30	Less	0		40
Rishakah		3		15		60	0		20		0		20
Rood	Fato kac	1		10		26	1	More	11		0		12
Rood	Jangalyan	2		70		75	2	More	15	Less	0		17
Rood	Yosuf kac	3	Less	35		75	13	Less	15		0		28
Sada Kas		0		15		35	3	More	12	Less	0		15
Sam Kaney		0		40		85	0		0		0		0
Samal Khel		5	Less	50		100	15	More	20	Less	0		35
Shanawar		3	Same	15		70	0		5		0		5
Shekhan		10	More	80		120	12	More	30		0		42
Shorla Khel		5	Less	20		50	5	More	15		0		20
Sorab Kalay		5	Less	21		35	5	More	5		0		10
Surkh Pul		25	Less	40		50	0		10		0		10
Toto	Goar Khel	5		130		150	20	More	30	Less	0		50
Toto	Khad Khel	0		40		80	17	More	30	Less	0		47
Toto	Khan Jan Qala	5	Less	30		45	5	Less	10		0		15
Toto	Malek Qala	3	Less	15		30	10	Same	3		0		13
Toto	Peshdare	0		30		45	4	More	0		0		4
Toto	Qala-i-Haji	5	Less	25		40	13	Less	6		0		19
Toto	Ramal Khel	4		25		50	4	More	7	Less	0		11
Toto	Sadah Khel	50	Less	40		440	13	Same	60		0		73
Toto	Sangar Khel	5	Less	60		130	20	Less	30		0		50
Toto	Sre Khawre	1	Same	1		12	0		0		0		0
Urbashgara		0		10		50	0		0		0		0
Wata		4	Less	10		40	0		3		0		3
Welchlegad Kholeh		0		15		45	2	Same	0		0		2
Wodisar		0		30		60	0		10		0		10

No. of villages surveyed: 84

Appendix D: Land tenure in Sherzad district

Main village	Sub village	Irrigated land (jerib)		Rainfed land (jerib)		Number of households who are: Only owner		Only tenant		Owner+tenant		Total households
		Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present
Akram Khel		60	Same	0		7	Same	5	Same	8	Less	20
Alikhel		250	Same	0		60	Less	7	Same	20	Same	87
Angortak		100	Same	0		15	Same	4	Less	1	Same	20
Ashpan	Naray Jabe	100	Less	300	More	43	Same	8	More	10	Same	61
Ashpan	Sor Dag	500	Same	600	Same	200	More	100	Less	50	Same	350
Balal Khel		500	Same	120	Same	100	Same	8	More	15	Same	123
Bar Asphan		150	Same	0		18	Same	0		6	Less	24
Behzad Khel		60	Same	20	Same	8	Same	12	Less	20	Same	40
Cela		150	Same	0		15	Same	3	Same	5	Same	23
Gandomak	Pas-qala	100	Same	50	Same	50	Same	15	Less	5	Same	70
Gandomak	Qazian	210	Same	300	Same	50	Less	8	More	12	More	70
Gandomak	Sangeray	80	Same	120	Same	13	Less	5	Less	2	More	20
Gandomak	Sawatyan	400	Same	300	Same	50	Same	2	Same	15	Less	67
Gandomak	Shawa	400	Same	0		20	Same	5	Less	15	Less	40
Gandomak	Zangzai	300	Same	400	Same	25	Same	5	More	10	Less	40
Garday Menah		100	Same	0		25	Same	0		0		25
Gharah		100	Same	1000	Less	120	Less	30	Same	30	More	180
Ghunday (Malalah)		90	Same	0		20	Same	1	Same	15	Same	36
Ghunday (Srah)		150	Same	0		30	Same	2	Less	15	Same	47
Godar (Jaben)		200	Same	0		30	Same	3	Same	2	Less	35
Gonga Khel		500	Same	0		26	Same	5	Same	9	Same	40
Kachara		120	Same	0		25	Same	2	Same	10	Less	37
Kalagay		150	Same	0		10	Same	4	Same	8	Less	22
Kali Khel		200	Same	0		80	Same	20	Same	15	Less	115
Kama Termay		400	Same	8	More	20	Same	0		5	Less	25
Kanday	Alikozai	150	Same	20	Less	10	Same	3	Same	4	Same	17
Kanday	Kok Khel	60	Same	70	Same	30	Less	2	Same	1	More	33
Kanday	Panangzai	200	More	270	Less	20	Same	5	Less	20	Less	45
Khader Khel (Marke Khel)		800	Same	0		180	Same	10	Less	20	Less	210

maize, barley, mung bean, pea, opium, vegetable (onion, tomatoes, potatoes, okra, eggplant), fruit (walnut, apples, grape, apple, apricot, etc.)[5]

Sherzad has a good agricultural land producing a double crop each year. In 1992 a total of 17,955 jeribs (3,591 ha) of irrigated land and 23,030 jeribs (4,606 ha) of rainfed land was under cultivation, and 2,264 farmers were busy to produce the agricultural/livestock production[6].

The main communication system, in the survey area, is a gravel road linking Surkh Rud to Hesarak via Khogiani and Sherzad districts. Mama Khel bazaar is the main bazaar in center of the Sherzad district.

1.2 Objectives

This survey constitutes the first stage in a greater overall scheme. By integrating action in the field this scheme aims to reinstall the IDPs and refugee families and identify the main development problems of the area.

The efforts in this survey have mainly been targeted to villages with regard to population and repatriation, land tenure and agricultural land, livestock, market accessibility, health and education facilities, access to drinking and irrigation water, and situation of damaged infrastructures including public buildings and private houses.

The specific objectives aimed to obtain up-to date and accurate information on the following subjects and their rehabilitation needs:

- To determine the demographic information on current number of households in the villages and potential returnees.
- To provide information about the jerib of arable land, number of household owning and renting land, status of irrigation water sources and ways of their improvement.
- To asses the number of livestock in the area.
- To provide information on the number of damaged infrastructure and housing condition, access roads, transportation and drinking water sources in the survey area.

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[5] *UNHCR Background Report, **Nangarhar Province**, Data Collection for Afghan Repatriation Project, Sept 89 and ACBAR Report, Nangarhar Province, March 1992.*

[6] *ACBAR Report, **Nangarhar Province**, March 1992, P. 6.*

Appendix D: Land tenure in Sherzad district (Cont...)

		Irrigated land (jerib)		Rainfed land (jerib)		Number of households who are: Only owner		Only tenant		Owner+tenant		Total households
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present
Khate		90	Same	10	Same	18	Less	2	More	1	Same	21
Khona		60	Same	0		30	Same	0		2	Less	32
Khwaza Khel		500	Same	0		45	Same	5	Same	6	More	56
Koram		130	Same	0		10	Same	3	More	1		14
Kotagay		180	More	80	Less	42	More	35	Less	25	Less	102
Koza Asphan	Mery Khel	400	Same	0		60	Same	10	More	15	More	85
Kudi Khel		160	Same	0		10	Same	40	Less	10	Less	60
Kuz Ashpan	Muza Khan	80	Same	0		8	Same	2	Less	0		10
Kuz Ashpan	Shabaz Khel	300	Same	0		40	Same	2	Less	4	Less	46
Kuz Ashpan	Shay Khan	400	Same	40	Same	30	Less	15	Less	10	Less	55
Kuz Ashpan	Suri Khel	100	Same	0		19	Same	3	Less	5		27
Lada Bagh		40	Same	0		8	Less	0		2	Less	10
Langar Khel		400	Same	0		15	Same	6	Less	14	More	35
Loya Termay		600	Same	0		110	Same	35	Same	30	Less	175
Malek Kala		200	Same	0		40	Same	5	Same	10	More	55
Malek Qais kalay		250	Same	0		25	Same	0		0		25
Maly Khel		120	Same	40	More	50	Same	16	Same	10	Less	76
Mama Khel		250	Same	0		50	Same	10	More	10	Less	70
Margha		250	Same	0		80	Same	10	Less	30	Same	120
Mirgad Khel		400	Same	0		75	Less	4	Same	10	Less	89
Muzdakay		150	Same	0		19	Same	4	Same	5	Less	28
Nandar Khel		300	Same	0		70	Same	10	Same	40	Less	120
Panangyan		55	Same	15	Same	35	Same	5	Same	5	Less	45
Patlah	Alambeg Khel	100	More	30	Less	15	Less	7	Same	35	Less	57
Patlah	Khoshal Khel	150	Same	50	Same	15	Less	3	Same	3	Less	21
Patlah	Lashkar Khel	200	Same	0		65	Same	10	Less	15	Less	90
Patlah	Muhmand	120	More	90	Less	20	Same	0		9	More	29
Patlah	Nader Jabee	90	Same	20	More	25	Same	0		0		25

Appendix D: Land tenure in Sherzad district (Cont...)

						Number of households who are						Total households
		Irrigated land (jerib)		Rainfed land (jerib)		Only owner		Only tenant		Owner+tenant		
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present
Patlah	Spin Kalay	200	Same	100	Same	100	More	3	Same	25	Less	128
Rishakah		200	Same	0		35	Same	3	Less	12	Same	50
Rood	Fato kac	200	Same	70	Same	15	Same	3	Less	2	Same	20
Rood	Jangalyan	200	Same	0		65	Less	5	Less	2	More	72
Rood	Yosuf kac	350	Same	0		25	Same	15	Less	30	Less	70
Sada Kas		200	Same	0		15	Same	0		15	Same	30
Sam Kaney		400	Same	0		45	Same	10	Less	15	Less	70
Samal Khel		800	Same	0		35	Less	25	Less	25	Less	85
Shanawar		350	Same	30	Same	40	Same	10	Less	8	Same	58
Shekhan		200	Same	0		80	Less	10	More	8	Same	98
Shorla Khel		450	Same	0		15	More	15	Less	18	Same	48
Sorab Kalay		250	Same	0		5	Same	15	Less	10	Less	30
Surkh Pul		200	Same	0		30	Same	10	Less	5		45
Toto	Goar Khel	1500	Same	500	Same	125	Less	5	More	10	More	140
Toto	Khad Khel	300	Same	200	Same	60	Same	5	Less	5	Same	70
Toto	Khan Jan Qala	500	More	300	Less	25	Less	5	Less	10	More	40
Toto	Malek Qala	60	More	350	Less	10	Same	15	Less	3	More	28
Toto	Peshdare	50	More	200	Less	15	Less	5	Less	10	More	30
Toto	Qala-i-Haji	200	More	100	Less	15	Same	5	Less	10	Same	30
Toto	Ramal Khel	100	Same	50	Same	45	Less	0		5	Same	50
Toto	Sadah Khel	500	Same	600	Same	300	More	20	Less	90	Same	410
Toto	Sangar Khel	400	More	300	Less	30	Less	20	Less	70	More	120
Toto	Sre Khawre	20	Same	100	Same	5	Less	5	Same	1	More	11
Urbashgara		350	Same	20	Same	35	Same	0		10	Less	45
Wata		200	Same	0		27	Same	7	Less	3	Same	37
Welchlegad Kholeh		80	Same	0		30	Same	0		10	Less	40
Wodisar		75	Same	0		42	Same	0		13	Less	55

No. of villages surveyed: 84

Appendix E: Livestock ownership in Sherzad district

		% of households owning animals		Total Number of animals												Tatal Number of oxen	
				Cattle		Goat		Sheep		Donkey		Horse		Other			
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Akram Khel		87	More	30	More	15	More	20	More	20	Same	0		0		16	Same
Alikhel		98	Same	90	Same	500	Less	300	Less	7	Same	0		10	Less	80	Same
Angortak		95	Same	25	Same	60	More	40	Same	30	Same	0		0		16	Same
Ashpan	Naray Jabe	100	Same	70	Less	80	More	60	More	30	Same	1	Same	6	Less	60	Same
Ashpan	Sor Dag	90	More	400	More	600	More	1200	More	300	Less	0		0		300	
Balal Khel		98	Same	120	More	80	Same	40	Same	85	Same	0		0		76	Same
Bar Asphan		100	Same	50	Same	20	More	40	Same	5	More	0		0		40	Same
Behzad Khel		80	More	65	More	120	Same	100	Same	40	Less	5	Less	6	More	14	More
Cela		93	Same	25	Same	300	Same	150	Same	30	Same	0		0		30	Same
Gandomak	Pas-qala	80	More	200	More	100	More	600	More	60	Less	0		0		30	Same
Gandomak	Qazian	80	Less	100	Less	90	Same	100	More	60	More	0		0		14	More
Gandomak	Sangeray	85	Same	30	Less	40	Same	50	Same	15	Less	0		5	Less	10	Same
Gandomak	Sawatyan	70	More	120	More	200	More	600	More	60	Less	0		0		100	Same
Gandomak	Shawa	80	More	120	More	15	Same	10	More	7	More	1	More	0		80	Less
Gandomak	Zangzai	90	Less	70	Same	100	Less	90	More	40	Same	0		5	Less	80	Same
Garday Menah		95	Same	30	Same	200	Less	50	Less	20	Same	1	More	3	More	20	More
Gharah		85	Same	210	Same	230	More	100	More	100	Same	0		110	Same	150	Less
Ghunday (Malalah)		92	More	60	More	70	Less	30	Same	20	Same	0		0		28	Same
Ghunday (Srah)		90	Same	100	Same	350	Same	50	Less	40	Less	0		10	Same	30	Same
Godar (Jabeh)		80	More	30	Same	15	More	25	Same	10		0		0		14	More
Gonga Khel		85	Same	150	Same	200	More	165	More	50	Same	0		0		70	Same
Kachara		88	More	40	Same	80	More	20	More	30	Same	2	Less	0		26	Same
Kalagay		85	More	60	Same	40	Less	30	Less	20	Same	1	Less	0		18	Same
Kali Khel		90	More	160	Less	200	Same	100	More	80	Same	15	Less	0		60	More
Kama Termay		85	More	40	Same	100	Same	80	More	25	Same	0		0		24	Less
Kanday	Alikozai	70	Less	25	Less	40	Same	30	More	12	More	0		3	Same	10	Same
Kanday	Kok Khel	90	More	80	More	20	More	30	More	30	Same	0		0		18	Same

Appendix E: Livestock ownership in Sherzad district (Cont...)

		% of households owning animals		Total Number of animals												Tatal Number of oxen	
				Cattle		Goat		Sheep		Donkey		Horse		Other			
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Kanday	Panangzai	95	Same	275	Less	130	More	460	More	27	More	3	Less	18	More	40	Less
Khader Khel (Marke Khel)		85	More	200	Same	300	More	150	Same	120	Same	5	Less	10	Less	130	
Khate		80	Less	30	Same	80	Less	50	Same	18	Same	0		5	Same	13	Less
Khona		95	Same	35	Same	200	More	150	Same	20	Same	0		0		16	Same
Khwaza Khel		95	Same	75	Same	100	Less	70	More	30	Same	0		0		50	Same
Koram		96	Same	14	Same	30	Less	20	Less	10	More	0		10	Same	20	Same
Kotagay		95	Same	250	More	300	More	300	More	25	Same	5	More	0		30	
Koza Asphan	Mery Khel	93	More	150	More	200	Less	140	Less	70	Same	4	Less	0		60	Same
Kudi Khel		70	More	90	More	200	More	300	More	40	Less	0		10		26	More
Kuz Ashpan	Muza Khan	95	Same	20	Same	30	Same	20	Same	10	Same	0		0		10	Same
Kuz Ashpan	Shabaz Khel	98	Same	85	Same	150	More	100	Same	40	Same	0		0		46	Same
Kuz Ashpan	Shay Khan	95	Same	55	Same	100	Same	100	Same	50	Less	0		0		60	Less
Kuz Ashpan	Suri Khel	98	Same	50	Same	80	More	50	Same	20	More	0		0		30	Same
Lāda Bagh		100	Same	8	More	100	More	20	Same	10	Same	0		1	More	6	Same
Langar Khel		95	Same	100	More	150	Same	90	More	15	Same	10	Same	2	More	30	Same
Loya Termay		98	Same	180	Same	100	More	150	Same	130	Same	0		10	Same	120	Same
Malek Kala		95	Same	70	Same	100	Same	40	Less	45	Less	0		5	More	40	Same
Malek Qais kalay		85	More	80	Less	20	More	40	More	15	Same	0		0		16	Same
Maly Khel		95	Same	200	More	100	More	50	More	40	Same	3	More	0		60	More
Mama Khel		80	More	150	More	40	More	100	More	50	Same	0		15		80	
Margha		95	Same	120	Same	800	Same	300	Same	95	Same	0	Same	30	Same	60	Same
Mirgad Khel		98	Same	90	Same	400	More	100	Same	85	Same	5	Less	10	More	80	Same
Muzdakay		92	Same	40	Same	120	Same	80	Same	25	Same	2	Same	4	Same	30	Same
Nandar Khel		87	More	150	Same	250	More	120	Same	80	Less	4	Less	0		30	Same
Panangyan		100	Same	150	More	200	More	300	More	45	Same	0		0		36	More
Patlah	Alambeg Khel	85	Same	80	More	50	More	30	Less	15	Same	0		0		60	Less

Appendix E: Livestock ownership in Sherzad district (Cont...)

		% of households owning animals		Total Number of animals: Cattle		Goat		Sheep		Donkey		Horse		Other		Tatal Number of oxen	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Patlah	Khoshal Khel	95	Same	30	More	50	More	40	More	15	Same	0		5	More	16	More
Patlah	Lashkar Khel	90	More	85	Same	200	Same	100	Same	90	Less	0		0		80	Same
Patlah	Muhmand	75	Same	90	More	25	More	150	More	15	More	2	Same	0		24	
Patlah	Nader Jabee	100	Same	80	Less	30	Less	15	Less	10	Same	0		0		24	Same
Patlah	Spin Kalay	95	More	300	More	300	More	200	More	120	Less	0		0		50	More
Rishakah		96	More	70	Same	40	More	50	More	45	Same	1	Less	0		40	Same
Rood	Fato kac	90	Same	38	Less	50	Less	40	More	15	More	0		4	Same	15	Same
Rood	Jangalyan	100	Same	900	More	2000	More	1500	More	150	Same	0		12		46	More
Rood	Yosuf kac	95	More	200	Less	135	More	200	More	25	More	2	More	5	Same	30	
Sada Kas		93	Same	30	More	250	More	80	Same	35	Less	5	Same	3	Same	36	Same
Sam Kaney		97	Same	75	Same	400	Less	200	Less	65	Same	0		15	Less	56	Same
Samal Khel		90	Same	200	Less	200	More	2000	More	35	Less	5	Less	150	More	80	More
Shanawar		96	Same	68	Same	80	Same	50	Less	45	Less	0		0		60	Same
Shekhan		90		120	More	250	More	150	More	80	Same	0		0		60	More
Shorla Khel		92	Same	250	More	55	More	150	Same	15	Same	0		0		40	Same
Sorab Kalay		90	Same	150	More	70	More	55	More	17	Less	0		0		24	Less
Surkh Pul		90	More	75	Same	50	More	20	More	35	Same	0		0		74	Same
Toto	Goar Khel	80	More	300	More	100	More	500	More	100	More	0		2	Less	130	More
Toto	Khad Khel	80	More	120	More	40	More	200	More	40	More	0		4	Less	70	More
Toto	Khan Jan Qala	90	Same	233	More	18	Less	108	Less	15	More	3	More	0		80	
Toto	Malek Qala	90	Same	95	More	4	More	28	More	5	More	0		0		10	
Toto	Peshdare	95		100	More	150	More	200	More	20	More	1	More	0		40	
Toto	Qala-i-Haji	85	Same	185	More	15	More	140	More	8	Same	3	More	0		40	
Toto	Ramal Khel	80	More	130	More	20	More	40	More	35	More	0		0		18	More
Toto	Sadah Khel	90	Same	400	Less	500	More	400	More	310	Less	0		40	Less	100	Same
Toto	Sangar Khel	95	More	200	More	150	More	85	Less	16	More	0		0		80	More

Appendix E: Livestock ownership in Sherzad district (Cont...)

Main village	Sub village	% of households owning animals		Total Number of animals: Cattle		Goat		Sheep		Donkey		Horse		Other		Tatal Number of oxen	
		Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Toto	Sre Khawre	80	Same	20	Same	20	Less	25	More	15	Same	0		0		20	Same
Urbashgara		90	More	45	Same	400	Same	100	Same	30	Same	2	Less	8	Same	40	Same
Wata		92	Same	40	Same	300	Less	200	Same	0		0		0		40	Same
Welchlegad Kholeh		100	Same	60	Same	500	Same	10	Same	20	More	8	More	4	Less	18	Same
Wodisar		97	Same	120	Same	1500	Same	1000	Less	50	Same	5	Same	0		22	Less

No. of villages surveyed: 84

Appendix F: Sources of irrigation and condition of irrigation system in Sherzad district

Main village	Sub village	Source of irrigation A	B	C	D	Fully operational Yes	No
Akram Khel		Stream					N
Alikhel		Stream	Karez				N
Angortak		Stream					N
Ashpan	Naray Jabe	Karez					N
Ashpan	Sor Dag	Stream	Karez	Spring			N
Balal Khel		Stream	Spring				N
Bar Asphan		Stream	Spring	Karez			N
Behzad Khel		Stream					N
Cela		Stream					N
Gandomak	Pas-qala	Karez	Stream				N
Gandomak	Qazian	Stream	Karez				N
Gandomak	Sangeray	Stream					N
Gandomak	Sawatyan	Stream	Karez	Spring			N
Gandomak	Shawa	Stream	Spring				N
Gandomak	Zangzai	Stream					N
Garday Menah		Stream	Spring				N
Gharah		Stream	Karez				N
Ghunday (Malalah)		Stream					N
Ghunday (Srah)		Stream					N
Godar (Jabeh)		Stream	Spring				N
Gonga Khel		Stream					N
Kachara		Stream					N
Kalagay		Stream					N
Kali Khel		Stream					N
Kama Termay		Stream					N
Kanday	Alikozai	Stream	Karez				N
Kanday	Kok Khel	Karez	Stream	Spring			N
Kanday	Panangzai	Spring	Stream				N
Khader Khel (Marke Khel)		Stream					N
Khate		Stream					N
Khona		Spring					N
Khwaza Khel		Stream					N
Koram		Stream					N
Kotagay		Karez	Spring	Stream			N
Koza Asphan	Mery Khel	Stream					N
Kudi Khel		Stream	Spring				N
Kuz Ashpan	Muza Khan	Stream					N
Kuz Ashpan	Shabaz Khel	Stream					N
Kuz Ashpan	Shay Khan	Stream					N
Kuz Ashpan	Suri Khel	Stream					N
Lada Bagh		Spring					N
Langar Khel		Stream	Karez	Spring			N
Loya Termay		Stream	Spring				N

Appendix F: Sources of irrigation and condition of irrigation system in Sherzad district (Cont...)

Main village	Sub village	Source of irrigation A	B	C	D	Fully operational Yes	No
Malek Kala		Stream					N
Malek Qais kalay		Stream					N
Maly Khel		Stream					N
Mama Khel		Stream					N
Margha		Stream					N
Mirgad Khel		Stream	Karez				N
Muzdakay		Stream	Spring				N
Nandar Khel		Stream					N
Panangyan		Stream	Spring				N
Patlah	Alambeg Khel	Karez	Stream	Spring			N
Patlah	Khoshal Khel	Stream	Karez				N
Patlah	Lashkar Khel	Stream	Spring				N
Patlah	Muhmand	Karez	Stream	Spring			N
Patlah	Nader Jabee	Karez	Stream	Spring			N
Patlah	Spin Kalay	Karez	Stream	Spring			N
Rishakah		Stream					N
Rood	Fato kac	Stream	Spring				N
Rood	Jangalyan	Spring	Spring				N
Rood	Yosuf kac	Stream					N
Sada Kas		Stream					N
Sam Kaney		Stream	Spring				N
Samal Khel		Karez	Stream				N
Shanawar		Stream					N
Shekhan		Stream					N
Shorla Khel		Stream					N
Sorab Kalay		Spring	Spring				N
Surkh Pul		Stream					N
Toto	Goar Khel	Stream					N
Toto	Khad Khel	Stream					N
Toto	Khan Jan Qala	Stream	Karez	Spring			N
Toto	Malek Qala	Karez	Stream				N
Toto	Peshdare	Karez	Stream				N
Toto	Qala-i-Haji	Stream	Karez				N
Toto	Ramal Khel	Karez	Stream	Spring			N
Toto	Sadah Khel	Stream	Karez				N
Toto	Sangar Khel	Stream					N
Toto	Sre Khawre	Stream	Karez				N
Urbashgara		Stream	Spring				N
Wata		Stream					N
Welchlegad Kholeh		Stream					N
Wodisar		Stream	Spring				N

No. of villages surveyed: 84

Appendix G: Priority ranking for rehabilitation of the irrigation system in Sherzad district

Main village	Sub village	Problems to be solved							The most important problem
		A	B	C	D	E	F	G	
Akram Khel		√		√					A
Alikhel		√	√			√		√	A
Angortak		√							A
Ashpan	Naray Jabe		√				√		B
Ashpan	Sor Dag	√	√		√				A
Balal Khel		√				√		√	A
Bar Asphan		√	√					√	G
Behzad Khel		√		√					A
Cela		√							A
Gandomak	Pas-qala	√	√						A
Gandomak	Qazian				√	√			F
Gandomak	Sangeray				√	√			E
Gandomak	Sawatyan	√	√					√	A
Gandomak	Shawa	√						√	A
Gandomak	Zangzai	√							A
Garday Menah		√			√			√	A
Gharah		√			√				A
Ghunday (Malalah)		√			√				A
Ghunday (Srah)		√		√					A
Godar (Jabeh)		√		√				√	A
Gonga Khel		√			√				A
Kachara		√							A
Kalagay		√			√				A
Kali Khel		√		√					A
Kama Termay		√		√	√				A
Kanday	Alikozai	√			√				A
Kanday	Kok Khel	√	√				√	√	B
Kanday	Panangzai	√		√					A
Khader Khel (Marke Khel)		√				√			E
Khate					√	√			D
Khona								√	G
Khwaza Khel		√		√	√				A
Koram		√				√			A
Kotagay		√	√		√				A
Koza Asphan	Mery Khel	√			√				A
Kudi Khel		√			√				A
Kuz Ashpan	Muza Khan	√							A
Kuz Ashpan	Shabaz Khel	√			√				A
Kuz Ashpan	Shay Khan			√					C
Kuz Ashpan	Suri Khel	√		√					A

Appendix G: Priority ranking for rehabilitation of the irrigation system in Sherzad district (Cont...)

Main village	Sub village	Problems to be solved							The most important problem
		A	B	C	D	E	F	G	
Lada Bagh								√	G
Langar Khel		√	√	√	√			√	A
Loya Termay		√						√	G
Malek Kala		√			√				A
Malek Qais kalay		√			√				A
Maly Khel		√		√					A
Mama Khel		√			√				A
Margha		√			√				A
Mirgad Khel		√				√	√	√	A
Muzdakay		√		√				√	A
Nandar Khel		√							A
Panangyan		√			√			√	A
Patlah	Alambeg Khel	√	√			√			B
Patlah	Khoshal Khel	√				√	√		A
Patlah	Lashkar Khel	√						√	A
Patlah	Muhmand	√	√				√		A
Patlah	Nader Jabee	√	√		√			√	B
Patlah	Spin Kalay	√	√		√				A
Rishakah		√							A
Rood	Fato kac	√							A
Rood	Jangalyan	√			√				A
Rood	Yosuf kac	√			√				A
Sada Kas		√		√					A
Sam Kaney					√			√	D
Samal Khel		√	√				√	√	A
Shanawar		√							A
Shekhan		√							A
Shorla Khel		√		√					A
Sorab Kalay		√			√				A
Surkh Pul		√		√	√				A
Toto	Goar Khel	√			√				A
Toto	Khad Khel	√			√				A
Toto	Khan Jan Qala	√		√			√		A
Toto	Malek Qala	√	√				√		B
Toto	Peshdare	√	√				√		A
Toto	Qala-i-Haji	√	√				√		B
Toto	Ramal Khel	√	√						B
Toto	Sadah Khel	√	√			√	√		B
Toto	Sangar Khel	√			√				A

- To obtain information on major aspects of health facilities, number of health center and number of health workers, and funding sources.

- To provide information about education institution, number of schools, number of students and teachers.

1.3 Survey Method

A survey questionnaire covering questions related to relevant aspects of village situation was prepared (see Appendix A). All questions were discussed with the enumerators during training.

Four teams of enumerators, two supervisors, one field coordinator, and one survey consultant with adequate surveying experiences took part in training and conducting of the field survey. All 4 teams worked simultaneously in the targeted district. When all the villages in the district surveyed the team moved to another district. Each survey team, consisting of one enumerator and one local guide to conducted the survey at the village level, and each supervisor was responsible to supervise the field work of two survey teams.

Each survey team used one survey form per village. Almost all villages in the targeted districts were covered. Each village was counted as a survey site. In order to obtain more accurate information, a village with many houses was divided into two or more sub-villages. A village having few houses was added with another village.

From each village a group of 5 to 35 people (included village elders, tribal elders, landowners, and other important and knowledgeable individuals) was gathered for group interview. At least two interviewees were village elders. The number of people in group interview depends on the population of the villages. The interviewed people were the representatives of different walks of life in the area.

After conducting interviews, the completed forms were checked, cross-checked and edited for possible correction. Each enumerator carried a notebook to record some important information which is not covered in the questionnaire.

All parts of the questionnaire were filled in properly and for each survey site, and a map of survey sites were marked according to instructions. ASU Field Coordinator supervised and monitored the field work of this survey and the performance of supervisors. ASU Survey Consultant carried out quick assessment of the surveyed villages. The field work of this survey was carried out in June 1998.

The report writer debriefed the enumerators at the end of field work. Both the training and debriefing of the enumerators took place in Peshawar.

Appendix G: Priority ranking for rehabilitation of the irrigation system in Sherzad district (Cont...)

Main village	Sub village	Problems to be solved A	B	C	D	E	F	G	The most important problem
Toto	Sre Khawre	√				√	√		F
Urbashgara		√			√			√	A
Wata		√							A
Welchlegad Kholeh		√		√					A
Wodisar				√				√	C

No. of villages surveyed: 84

A. Construction of intake
B. Reconstruction of karez
C. Lining of water course
D. Maintenance of water course
E. Construction of of other canal structures
F. Maintenance of karez
G. Others

List of others:

1. Cleaning of stream/spring
2. Demining of spring

Appendix H: Type and condition of roads in Sherzad district

Main village	Sub village	Road usable by: Pick-up or car	4WD vehicles	Mule track
Akram Khel			B	
Alikhel			B	
Angortak				B
Ashpan	Naray Jabe	B		
Ashpan	Sor Dag		B	
Balal Khel		B		
Bar Asphan		B		
Behzad Khel			B	
Cela			B	
Gandomak	Pas-qala	B		
Gandomak	Qazian	B		
Gandomak	Sangeray	A		
Gandomak	Sawatyan	B		
Gandomak	Shawa	A		
Gandomak	Zangzai	B		
Garday Menah			C	
Gharah				B
Ghunday (Malalah)				A
Ghunday (Srah)			B	
Godar (Jabeh)			B	
Gonga Khel		B		
Kachara			B	
Kalagay				B
Kali Khel		B		
Kama Termay				B
Kanday	Alikozai		C	
Kanday	Kok Khel	B		
Kanday	Panangzai	B		
Khader Khel (Marke Khel)		B		
Khate				B
Khona				B
Khwaza Khel		B		
Koram				A
Kotagay			B	
Koza Asphan	Mery Khel		C	
Kudi Khel		B		
Kuz Ashpan	Muza Khan		B	
Kuz Ashpan	Shabaz Khel		C	
Kuz Ashpan	Shay Khan		B	
Kuz Ashpan	Suri Khel		C	

Appendix H: Type and condition of roads in Sherzad district (Cont...)

Main village	Sub village	Road usable by: Pick-up or car	4WD vehicles	Mule track
Lada Bagh			B	
Langar Khel			B	
Loya Termay			C	
Malek Kala			B	
Malek Qais kalay		B		
Maly Khel		B		
Mama Khel		B		
Margha				A
Mirgad Khel		B		
Muzdakay				B
Nandar Khel			B	
Panangyan				A
Patlah	Alambeg Khel	B		
Patlah	Khoshal Khel	B		
Patlah	Lashkar Khel	B		
Patlah	Muhmand		B	
Patlah	Nader Jabee	B		
Patlah	Spin Kalay		B	
Rishakah		B		
Rood	Fato kac			B
Rood	Jangalyan			B
Rood	Yosuf kac		B	
Sada Kas				A
Sam Kaney			B	
Samal Khel			B	
Shanawar			B	
Shekhan			B	
Shorla Khel				B
Sorab Kalay				B
Surkh Pul			C	
Toto	Goar Khel	B		
Toto	Khad Khel			B
Toto	Khan Jan Qala	B		
Toto	Malek Qala		B	
Toto	Peshdare	B		
Toto	Qala-i-Haji	B		
Toto	Ramal Khel			B
Toto	Sadah Khel	B		
Toto	Sangar Khel		B	

Appendix H: Type and condition of roads in Sherzad district (Cont...)

Main village	Sub village	Road usable by: Pick-up or car	Road usable by: 4WD vehicles	Road usable by: Mule track
Toto	Sre Khawre	B		
Urbashgara			B	
Wata			B	
Welchlegad Kholeh				A
Wodisar			C	

No. of villages surveyed: 84

Condition of roads

A-Good
B-Fairly Good
C-Bad

Appendix I: Drinking water sources in Sherzad district

		Stream		Canal		Karez		Spring		Pipe Water	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Akram Khel		Y	Same								
Alikhel		Y	Same								
Angortak		Y	Same								
Ashpan	Naray Jabe					Y	Same	Y	Same		
Ashpan	Sor Dag							Y	Same		
Balal Khel		Y	Same					Y	Same		
Bar Asphan								Y	Same		
Behzad Khel		Y	Same								
Cela		Y	Same								
Gandomak	Pas-qala					Y	Same				
Gandomak	Qazian					Y	Same	Y	Same		
Gandomak	Sangeray					Y	Same	Y	Same		
Gandomak	Sawatyan	Y	Same					Y	Same		
Gandomak	Shawa	Y	Same					Y	Same		
Gandomak	Zangzai	Y	Same			Y					
Garday Menah		Y	Same								
Gharah						Y	Same	Y	Same		
Ghunday (Malalah)		Y	Same								
Ghunday (Srah)		Y	Same								
Godar (Jabeh)		Y	Same								
Gonga Khel		Y	Same								
Kachara		Y	Same								
Kalagay		Y	Same								
Kali Khel		Y	Same								
Kama Termay		Y	Same								
Kanday	Alikozai					Y	Same	Y	Same		
Kanday	Kok Khel					Y	Same	Y	Same		

Appendix I: Drinking water sources in Sherzad district (Cont...)

		Stream		Canal		Karez		Spring		Pipe Water	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Kanday	Panangzai										
Khader Khel (Marke Khel)		Y	Same								
Khate		Y	Same					Y	Same		
Khona								Y	Same		
Khwaza Khel		Y	Same								
Koram		Y	Same								
Kotagay		Y	Same			Y	Same				
Koza Asphan	Mery Khel										
Kudi Khel		Y	Same								
Kuz Ashpan	Muza Khan	Y	Same								
Kuz Ashpan	Shabaz Khel	Y	Same								
Kuz Ashpan	Shay Khan	Y	Same								
Kuz Ashpan	Suri Khel	Y	Same								
Lada Bagh								Y	Same		
Langar Khel		Y	Same			Y	Same	Y	Same		
Loya Termay		Y	Same				Same	Y			
Malek Kala		Y	Same								
Malek Qais kalay		Y	Same								
Maly Khel		Y	Same								
Mama Khel		Y	Same								
Margha		Y	Same								
Mirgad Khel		Y	Same			Y	Same				
Muzdakay		Y	Same					Y	Same		
Nandar Khel		Y	Same								
Panangyan		Y	Same								
Patlah	Alambeg Khel		Same			Y	Same	Y			

Appendix I: Drinking water sources in Sherzad district (Cont...)

Main village	Sub village	Stream		Canal		Karez		Spring		Pipe Water	
		Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Patlah	Khoshal Khel					Y	Same	Y	Same		
Patlah	Lashkar Khel	Y	Same					Y	Same		
Patlah	Muhmand					Y	Same				
Patlah	Nader Jabee										
Patlah	Spin Kalay					Y	Same	Y	Same		
Rishakah		Y	Same								
Rood	Fato kac	Y	Same					Y	Same		
Rood	Jangalyan	Y	Same					Y	Same		
Rood	Yosuf kac	Y	Same								
Sada Kas		Y	Same								
Sam Kaney		Y	Same								
Samal Khel						Y	Same				
Shanawar		Y	Same								
Shekhan		Y	Same								
Shorla Khel		Y	Same								
Sorab Kalay								Y	Same		
Surkh Pul		Y	Same								
Toto	Goar Khel	Y	Same								
Toto	Khad Khel	Y	Same								
Toto	Khan Jan Qala					Y	Same				
Toto	Malek Qala					Y	Same				
Toto	Peshdare					Y	Same				
Toto	Qala-i-Haji	Y	Same								
Toto	Ramal Khel					Y	Same	Y	Same		
Toto	Sadah Khel					Y	Same	Y	Same		
Toto	Sangar Khel										

Appendix I: Drinking water sources in Sherzad district (Cont...)

		Stream		Canal		Karez		Spring		Pipe Water	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Toto	Sre Khawre					Y	Same				
Urbashgara		Y	Same					Y	Same		
Wata		Y	Same								
Welchlegad Kholeh		Y	Same								
Wodisar		Y	Same					Y	Same		

No. of villages surveyed: 84

Appendix J: Wells in Sherzad district

		Number of private wells				Number of public wells					
		Deep		Shallow		Deep		Shallow		Diesel water pump	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Akram Khel		0		0		0		0		0	
Alikhel		0		0		0		0		0	
Angortak		0		0		0		0		0	
Ashpan	Naray Jabe	0		30	Less	0		1		0	
Ashpan	Sor Dag	0		150	Less	0		200	Less	0	
Balal Khel		0		0		0		0		0	
Bar Asphan		0		10		0		0		0	
Behzad Khel		0		0		0		3	Less	0	
Cela		0		0		0		0		0	
Gandomak	Pas-qala	0		4	Less	0		4	Less	0	
Gandomak	Qazian	0		20	Less	0		5	Less	0	
Gandomak	Sangeray	0		5	Less	0		1	Same	0	
Gandomak	Sawatyan	0		8	Less	0		2	Less	0	
Gandomak	Shawa	0		3	Less	0		5	Less	0	
Gandomak	Zangzai	0		13	Same	0		0		0	
Garday Menah		0		0		0		0		0	
Gharah		0		60	Less	0		13	Same	0	
Ghunday (Malalah)		0		6	Same	0		3	Same	0	
Ghunday (Srah)		0		0		0		0		0	
Godar (Jabeh)		0		0		0		0		0	
Gonga Khel		0		6	Same	0		2	Less	0	
Kachara		0		5	Less	0		2	Less	0	
Kalagay		0		0		0		0		0	
Kali Khel		0		0		0		0		0	
Kama Termay		0		0		0		1		0	
Kanday	Alikozai	0		15	Less	0		3	Same	0	
Kanday	Kok Khel	0		0		0		2	Less	0	

Appendix J: Wells in Sherzad district (Cont...)

		Number of private wells				Number of public wells					
		Deep		Shallow		Deep		Shallow		Diesel water pump	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Kanday	Panangzai	0		8	Less	0		3	Less	0	
Khader Khel (Marke Khel)		0		0		0		0		0	
Khate		0		3	Less	0		0		0	
Khona		0		0		0		0		0	
Khwaza Khel		0		8	Same	0		10		0	
Koram		0		0		0		0		0	
Kotagay		0		8	Less	0		10	Same	0	
Koza Asphan	Mery Khel	0		40	Less	0		0		0	
Kudi Khel		0		2	Less	0		4	Less	0	
Kuz Ashpan	Muza Khan	0		4	Less	0		0		0	
Kuz Ashpan	Shabaz Khel	0		20	Less	0		0		0	
Kuz Ashpan	Shay Khan	0		20	Less	0		0		0	
Kuz Ashpan	Suri Khel	0		30	Less	0		0		0	
Lada Bagh		0		0		0		0		0	
Langar Khel		0		0		0		1	Same	0	
Loya Termay		0		20	Same	0		13	Less	0	
Malek Kala		0		0		0		0		0	
Malek Qais kalay		0		0		0		0		0	
Maly Khel		0		0		0		0		0	
Mama Khel		0		4	Less	0		8	Less	0	
Margha		0		0		0		0		0	
Mirgad Khel		0		40	Less	0		1	Less	0	
Muzdakay		0		0		0		0		0	
Nandar Khel		0		0		0		0		0	
Panangyan		0		0		0		0		0	
Patlah	Alambeg Khel	0		5	Less	0		10	Less	0	

The results of the survey are presented on district basis. This report is structured for ease of reference with appropriate tables presented with the text and relevant lists (at village level) in Appendices.

1.4 Monitoring Results

In order to verify the gathered information of the survey, a monitoring team checked 10 percent of the collected information of the whole surveyed areas. During the monitoring, it was found that the information about irrigation infrastructures, drinking water supply schemes, health facilities, education and damaged infrastructures were collected accurate and there was no significant error in recorded information. However, there was a difference of 10 to 30 percent in information about population, land tenure and livestock of the surveyed villages. The difference was small in smaller villages, but big in larger villages.

Appendix J: Wells in Sherzad district (Cont...)

		Number of private wells				Number of public wells					
		Deep		Shallow		Deep		Shallow		Diesel water pump	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Patlah	Khoshal Khel	0		8		0		0		0	
Patlah	Lashkar Khel	0		15	Less	0		15	Less	0	
Patlah	Muhmand	0		0		0		0		0	
Patlah	Nader Jabee	0		12		0		0		0	
Patlah	Spin Kalay	0		10	Less	0		10	Less	0	
Rishakah		0		5	Less	0		4		0	
Rood	Fato kac	0		6	Less	0		0		0	
Rood	Jangalyan	0		4	Less	0		6	Less	0	
Rood	Yosuf kac	0		12	Less	0		3	Less	0	
Sada Kas		0		0		0		0		0	
Sam Kaney		0		3	Less	0		7		0	
Samal Khel		0		5	Less	0		3	Less	0	
Shanawar		0		0		0		0		0	
Shekhan		0		5	Less	0		8	Less	0	
Shorla Khel		0		0		0		0		0	
Sorab Kalay		0		0		0		0		0	
Surkh Pul		0		0		0		0		0	
Toto	Goar Khel	0		30	Less	0		60	Less	0	
Toto	Khad Khel	0		40	Less	0		20	Less	0	
Toto	Khan Jan Qala	0		20	Less	0		5	Less	0	
Toto	Malek Qala	0		4	Less	0		5	Same	0	
Toto	Peshdare	0		6	Less	0		8	Less	0	
Toto	Qala-i-Haji	0		3	Less	0		3	Less	0	
Toto	Ramal Khel	0		3	Less	0		4	Less	0	
Toto	Sadah Khel	0		300		0		40		0	
Toto	Sangar Khel	0		3	Less	0		20	Less	0	

Appendix J: Wells in Sherzad district (Cont...)

		Number of private wells				Number of public wells					
		Deep		Shallow		Deep		Shallow		Diesel water pump	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Toto	Sre Khawre	0		10	Less	0		0		0	
Urbashgara		0		0		0		0		0	
Wata		0		0		0		0		0	
Welchlegad Kholeh		0		0		0		0		0	
Wodisar		0		0		0		0		0	

No. of villages surveyed: 84

Appendix K: Clinics in Sherzad district

Main village	Sub village	No. of clinic		Type of clinic		Number of male doctors		Number of female doctors		Number of male MHW		Number of Female MHW		Number of male nurse		Number of female nurse	
		Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Mama Khel		1	Same	C1	C1	2	Same	0		2	Same	0		5	Same	0	
Toto	Sadah Khel	1		C1		1		0		3		0		3		0	

No. of villages surveyed: 84

Appendix K: Clinics in Sherzad district (Cont...)

Main village	Sub village	Funding source: Salary		Funding source: Material		Building		Activity: Day/week		Activity: Hour/day		Average Patient/day		EPI introduced	
		Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Mama Khel		SCA	GOVT.	SCA	GOVT.	Y	Y	6	Same	5	Same	50	Same	Y	Y
Toto	Sadah Khel	SCA		SCA		Y		6		6		50		Y	

No. of villages surveyed: 84

Appendix K1: Distance of the villages from the nearest clinic in Sherzad district

S/N	Main village	Sub village	Distance (km)
1	Akram Khel		11.0
2	Alikhel		10.0
3	Angortak		15.0
4	Ashpan	Naray Jabe	3.0
5	Ashpan	Sor Dag	5.0
6	Balal Khel		16.0
7	Bar Asphan		6.0
8	Behzad Khel		2.0
9	Cela		6.0
10	Gandomak	Pas-qala	10.0
11	Gandomak	Qazian	9.0
12	Gandomak	Sangeray	2.0
13	Gandomak	Sawatyan	10.0
14	Gandomak	Shawa	7.0
15	Gandomak	Zangzai	2.0
16	Garday Menah		6.0
17	Gharah		1.0
18	Ghunday (Malalah)		8.0
19	Ghunday (Srah)		15.0
20	Godar (Jabeh)		11.0
21	Gonga Khel		3.0
22	Kachara		6.0
23	Kalagay		3.0
24	Kali Khel		3.0
25	Kama Termay		8.0
26	Kanday	Alikozai	3.0
27	Kanday	Kok Khel	20.0
28	Kanday	Panangzai	2.0
29	Khader Khel (Marke Khel)		20.0
30	Khate		2.0
31	Khona		20.0
32	Khwaza Khel		6.0
33	Koram		12.0
34	Kotagay		12.0
35	Koza Asphan	Mery Khel	12.0
36	Kudi Khel		3.5
37	Kuz Ashpan	Muza Khan	8.0
38	Kuz Ashpan	Shabaz Khel	13.0
39	Kuz Ashpan	Shay Khan	7.0
40	Kuz Ashpan	Suri Khel	12.0

Appendix K1: Distance of the villages from the nearest clinic in Sherzad district (Cont...)

S/N	Main village	Sub village	Distance (km)
41	Lada Bagh		5.0
42	Langar Khel		1.0
43	Loya Termay		15.0
44	Malek Kala		15.0
45	Malek Qais kalay		6.0
46	Maly Khel		4.0
47	Margha		15.0
48	Mirgad Khel		2.0
49	Muzdakay		10.0
50	Nandar Khel		8.0
51	Panangyan		20.0
52	Patlah	Alambeg Khel	8.0
53	Patlah	Khoshal Khel	8.0
54	Patlah	Lashkar Khel	8.0
55	Patlah	Muhmand	8.0
56	Patlah	Nader Jabee	8.0
57	Patlah	Spin Kalay	8.0
58	Rishakah		8.0
59	Rood	Fato kac	20.0
60	Rood	Jangalyan	20.0
61	Rood	Yosuf kac	25.0
62	Sada Kas		4.0
63	Sam Kaney		6.0
64	Samal Khel		2.0
65	Shanawar		6.0
66	Shekhan		16.0
67	Shorla Khel		3.0
68	Sorab Kalay	-	20.0
69	Surkh Pul		20.0
70	Toto	Goar Khel	2.0
71	Toto	Khad Khel	1.0
72	Toto	Khan Jan Qala	1.0
73	Toto	Malek Qala	6.0
74	Toto	Peshdare	8.0
75	Toto	Qala-i-Haji	4.0
76	Toto	Ramal Khel	3.0
77	Toto	Sangar Khel	3.0
78	Toto	Sre Khawre	1.0
79	Urbashgara		6.0

Appendix K1: Distance of the villages from the nearest clinic in Sherzad district (Cont...)

S/N	Main village	Sub village	Distance (km)
80	Wata		6.0
81	Welchlegad Kholeh		3.0
82	Wodisar		20.0

No. of villages surveyed: 84

Appendix L: Pharmacies in Sherzad district

Main village	Sub village	Number of pharmacy	
		Private	Public
Bar Asphan		1	0
Behzad Khel		1	0
Gandomak	Sawatyan	1	0
Maly Khel		1	0
Mama Khel		6	0
Toto	Goar Khel	2	0
Toto	Qala-i-Haji	1	0
Toto	Sadah Khel	2	0

No. of villages surveyed: 84

Appendix L1: Distance of the villages from the nearest pharmacy in Sherzad district

S/N	Main village	Sub village	Distance (km)
1	Akram Khel		11.0
2	Alikhel		10.0
3	Angortak		15.0
4	Ashpan	Naray Jabe	3.0
5	Ashpan	Sor Dag	5.0
6	Balal Khel		16.0
7	Cela		6.0
8	Gandomak	Pas-qala	10.0
9	Gandomak	Qazian	9.0
10	Gandomak	Sangeray	2.0
11	Gandomak	Shawa	7.0
12	Gandomak	Zangzai	2.0
13	Garday Menah		6.0
14	Gharah		1.0
15	Ghunday (Malalah)		8.0
16	Ghunday (Srah)		15.0
17	Godar (Jabeh)		11.0
18	Gonga Khel		3.0
19	Kachara		6.0
20	Kalagay		3.0
21	Kali Khel		3.0
22	Kama Termay		8.0
23	Kanday	Alikozai	3.0
24	Kanday	Kok Khel	20.0
25	Kanday	Panangzai	2.0
26	Khader Khel (Marke Khel)		20.0
27	Khate		2.0
28	Khona		20.0
29	Khwaza Khel		6.0
30	Koram		12.0
31	Kotagay		12.0
32	Koza Asphan	Mery Khel	12.0
33	Kudi Khel		3.5
34	Kuz Ashpan	Muza Khan	8.0
35	Kuz Ashpan	Shabaz Khel	13.0
36	Kuz Ashpan	Shay Khan	7.0
37	Kuz Ashpan	Suri Khel	12.0
38	Lada Bagh		5.0
39	Langar Khel		1.0
40	Loya Termay		15.0

Appendix L1: Distance of the villages from the nearest pharmacy in Sherzad district (Cont...)

S/N	Main village	Sub village	Distance (km)
41	Malek Kala		15.0
42	Malek Qais kalay		6.0
43	Margha		15.0
44	Mirgad Khel		2.0
45	Muzdakay		10.0
46	Nandar Khel		8.0
47	Panangyan		20.0
48	Patlah	Alambeg Khel	8.0
49	Patlah	Khoshal Khel	8.0
50	Patlah	Lashkar Khel	8.0
51	Patlah	Muhmand	8.0
52	Patlah	Nader Jabee	8.0
53	Patlah	Spin Kalay	8.0
54	Rishakah		8.0
55	Rood	Fato kac	20.0
56	Rood	Jangalyan	20.0
57	Rood	Yosuf kac	25.0
58	Sada Kas		4.0
59	Sam Kaney		6.0
60	Samal Khel		2.0
61	Shanawar		6.0
62	Shekhan		16.0
63	Shorla Khel		3.0
64	Sorab Kalay		20.0
65	Surkh Pul		20.0
66	Toto	Khad Khel	1.0
67	Toto	Khan Jan Qala	1.0
68	Toto	Malek Qala	6.0
69	Toto	Peshdare	8.0
70	Toto	Ramal Khel	3.0
71	Toto	Sangar Khel	3.0
72	Toto	Sre Khawre	1.0
73	Urbashgara		6.0
74	Wata		6.0
75	Welchlegad Kholeh		3.0
76	Wodisar		20.0

No. of villages surveyed: 84

Appendix M: Schools in Sherzad district

		Number of functioning boys schools								Number of functioning girls schools							
				Public								Public					
		Home		Number		Type		No. of students		Home		Number		Type		No. of students	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Balal Khel		0		1	Same	S	S	150	More	0		0				0	
Cela		0		1		P		150		0		0				0	
Gandomak	Qazian	0		1		P		330		0		0				0	
Kanday	Alikozai	0		1	Same	P	P	90		0		0				0	
Khader Khel (Marke Khel)		0		1	Same	P	P	200	More	0		0				0	
Kuz Ashpan	Shabaz Khel	1		0				50		0		0				0	
Loya Termay		1		0				50		0		0				0	
Maly Khel		0		1		P		150		0		0				0	
Mama Khel		0		1	Same	S	S	600	More	0		0				0	
Patlah	Spin Kalay	0		1		P		150		0		0				0	
Rood	Jangalyan	0		1		P		100		0		0				0	
Toto	Sadah Khel	0		1	Same	S	S	1500	Less	0		0				0	

No. of villages surveyed: 84

P (Primary) , S (Secondary, PS (Primary and Secondary)

2. POPULATION AND REPATRIATION

2.1 Population

Based on the survey, the totality of households living in 84 villages of Sherzad district are 6,173. The average number of people per household is estimated to be 8, thus the total population of the survey area could be estimated 49,384 (see Table 2.1 and Appendix C).

Table 2.1: Population and refugee status

Number of households in the district					Refugee		
Not native	Returnees	Never Displaced/refugee	Total	Displaced	Pakistan	Iran	Total
434	3080	2659	6173	405	1261	5	1671

No. of villages surveyed: 84

2.2 Repatriation

A total of 3,080 households (24,640 persons) have been returned to the survey area, during the last 8 years (since the withdrawal of the Soviet Army from Afghanistan), 2,659 households have never been displaced, while 434 households from other districts have been settled in this district. A total of 1,266 households were still refugee, with 1261 households in Pakistan and 5 households in Iran. 405 households were still displaced inside Afghanistan (see Table 2.1 and Appendix C).

The total number of people in the survey area at the end of 1989 was 10,000 to 13,000 people[7], which grew to 49,384 persons in June 1998. The district still remains as refugee potential area, because the survey data figured out that around 21% of the inhabitant or 1,671 households (13,368 persons) are either internally displaced or refugee in Pakistan and Iran.

The surveying took place during the harvesting period and at the peak farming season in Sherzad district. Besides, the beautiful weather and pollution free environment is an encouraging factor for many people to adopt seasonal immigration to the Sherzad district and surrounding areas, therefore the data estimates 434 households (3,472 individuals) form other parts of Afghanistan in the district at the survey period. It was not possible to specify from where these displaced households have come.

[7] *UNHCR Background Report, Nangarhar Province, 1989 P. 29*

Appendix M: Schools in Sherzad district (Cont...)

		Number of teachers				Education material		Building		Funding source			
		Male		Female						Salary		Material	
Main village	Sub village	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War	Present	Before War
Balal Khel		12	More	0		Y	Y	N	Y	GOVT.	GOVT.	GOVT.	GOVT.
Cela		8		0		Y	Y	N	N	GOVT.		GOVT.	
Gandomak	Qazian	7		0		Y		N		GOVT.		GOVT.	
Kanday	Alikozai	2	More	0		Y	Y	N	N	GOVT.	GOVT.	GOVT.	GOVT.
Khader Khel (Marke Khel)		4	More	0		N		N	Y	GOVT.	GOVT.	GOVT.	GOVT.
Kuz Ashpan	Shabaz Khel	3		0		Y		N		GOVT.		GOVT.	
Loya Termay		1		0		Y		N		COMM.		COMM.	
Maly Khel		2		0		Y		N		GOVT.		COMM.	
Mama Khel		24	More	0		Y	Y	Y	Y	GOVT.	GOVT.	GOVT.	GOVT.
Patlah	Spin Kalay	6		0		Y		N		GOVT.		GOVT.	
Rood	Jangalyan	4		0		Y		N		GOVT.		GOVT.	
Toto	Sadah Khel	45	Same	0		Y	Y	Y	Y	GOVT.	GOVT.	GOVT.	GOVT.

No. of villages surveyed: 84

Appendix N: Damaged infrastructures in Sherzad district

Main village	Sub village	Number of Houses: Unaffect	Number of Houses: Damaged	Number of Houses: Destroyed	Priority ranking for rehabilitation	No. of Health clinic: Unaffect	No. of Health clinic: Damaged	No. of Health clinic: Destroyed	Priority ranking for rehabilitation	No. of School: Unaffect	No. of School: Damaged	No. of School: Destroyed	Priority ranking for rehabilitation
Akram Khel		8	4	4	1	0	0	0	0	0	0	0	0
Alikhel		60	15	10	1	0	0	0	0	0	0	0	0
Angortak		10	2	3	1	0	0	0	0	0	0	0	0
Ashpan	Naray Jabe	30	2	1	1	0	0	0	0	0	0	0	0
Ashpan	Sor Dag	200	100	100	2	0	0	0	0	0	0	0	0
Balal Khel		75	30	15	1	0	0	0	0	0	0	1	2
Bar Asphan		15	0	17	1	0	0	0	0	0	0	1	2
Behzad Khel		30	8	5	1	0	0	0	0	0	0	0	0
Cela		20	4	3	1	0	0	0	0	0	0	0	0
Gandomak	Pas–qala	40	10	10	2	0	0	0	0	0	0	0	0
Gandomak	Qazian	40	10	20	1	0	0	0	0	0	0	0	0
Gandomak	Sangeray	13	2	0	1	0	0	0	0	0	0	0	0
Gandomak	Sawatyan	40	10	10	2	0	0	0	0	0	0	0	0
Gandomak	Shawa	10	15	5	2	0	0	0	0	0	0	0	0
Gandomak	Zangzai	27	13	2	1	0	0	0	0	0	0	0	0
Garday Menah		10	6	3	1	0	0	0	0	0	0	0	0
Gharah		110	20	5	1	0	0	0	0	0	0	0	0
Ghunday (Malalah)		24	5	2	1	0	0	0	0	0	0	0	0
Ghunday (Srah)		28	10	5	1	0	0	0	0	0	0	0	0
Godar (Jabeh)		15	12	2	1	0	0	0	0	0	0	0	0
Gonga Khel		27	6	4	1	0	0	0	0	0	0	0	0
Kachara		20	5	5	1	0	0	0	0	0	0	0	0
Kalagay		10	6	3	1	0	0	0	0	0	0	0	0
Kali Khel		30	50	10	1	0	0	0	0	0	0	0	0
Kama Termay		8	12	0	1	0	0	0	0	0	0	0	0
Kanday	Alikozai	12	3	0	1	0	0	0	0	0	0	0	0
Kanday	Kok Khel	5	15	5	2	0	0	0	0	0	0	0	0

Appendix N: Damaged infrastructures in Sherzad district (Cont...)

Main village	Sub village	Number of Houses			Priority ranking for rehabi-litation	No. of Health clinic			Priority ranking for rehabi-litation	No. of School			Priority ranking for rehabi-litation
		Unaffect	Damaged	Destroyed		Unaffect	Damaged	Destroyed		Unaffect	Damaged	Destroyed	
Kanday	Panangzai	15	25	5	2	0	0	0	0	0	0	0	0
Khader Khel (Marke Khel)		150	20	15	1	0	0	0	0	0	0	1	2
Khate		14	3	1	1	0	0	0	0	0	0	0	0
Khona		15	5	2	1	0	0	0	0	0	0	0	0
Khwaza Khel		30	15	8	1	0	0	0	0	0	0	0	0
Koram		6	3	3	1	0	0	0	0	0	0	0	0
Kotagay		30	20	15	2	0	0	0	0	0	0	0	0
Koza Asphan	Mery Khel	40	30	10	1	0	0	0	0	0	0	1	3
Kudi Khel		30	10	5	2	0	0	0	0	0	0	0	0
Kuz Ashpan	Muza Khan	8	2	0	1	0	0	0	0	0	0	0	0
Kuz Ashpan	Shabaz Khel	20	4	8	1	0	0	0	0	0	0	0	0
Kuz Ashpan	Shay Khan	35	5	3	1	0	0	0	0	0	0	0	0
Kuz Ashpan	Suri Khel	12	6	3	1	0	0	0	0	0	0	0	0
Lada Bagh		8	0	0	0	0	0	0	0	0	0	0	0
Langar Khel		18	10	0	1	0	0	0	0	0	0	0	0
Loya Termay		100	40	30	1	0	0	0	0	0	0	0	0
Malek Kala		35	10	5	1	0	0	0	0	0	0	0	0
Malek Qais kalay		8	6	4	1	0	0	0	0	0	0	0	0
Maly Khel		10	20	30	1	0	0	0	0	0	0	0	0
Mama Khel		30	20	2	2	1	0	0	0	1	0	0	0
Margha		120	15	10	1	0	0	0	0	0	0	0	0
Mirgad Khel		70	10	8	1	0	0	0	0	0	0	0	0
Muzdakay		15	10	4	1	0	0	0	0	0	0	0	0
Nandar Khel		70	30	10	1	0	0	0	0	0	0	0	0
Panangyan		15	20	3	1	0	0	0	0	0	0	0	0
Patlah	Alambeg Khel	15	50	25	2	0	0	0	0	0	0	0	0

Appendix N: Damaged infrastructures in Sherzad district (Cont...)

Main village	Sub village	Number of Houses			Priority ranking for rehabi-litation	No. of Health clinic			Priority ranking for rehabi-litation	No. of School			Priority ranking for rehabi-litation
		Unaffect	Damaged	Destroyed		Unaffect	Damaged	Destroyed		Unaffect	Damaged	Destroyed	
Patlah	Khoshal Khel	15	4	1	2	0	0	0	0	0	0	0	0
Patlah	Lashkar Khel	70	10	8	1	0	0	0	0	0	0	0	0
Patlah	Muhmand	25	15	15	1	0	0	0	0	0	0	0	0
Patlah	Nader Jabee	8	12	0	1	0	0	0	0	0	0	0	0
Patlah	Spin Kalay	50	10	5	2	0	0	0	0	0	0	0	0
Rishakah		40	8	2	1	0	0	0	0	0	0	0	0
Rood	Fato kac	18	3	1	1	0	0	0	0	0	0	0	0
Rood	Jangalyan	35	15	10	2	0	0	0	0	0	0	0	0
Rood	Yosuf kac	25	40	10	2	0	0	0	0	0	0	0	0
Sada Kas		20	7	4	1	0	0	0	0	0	0	0	0
Sam Kaney		45	10	8	1	0	0	0	0	0	0	0	0
Samal Khel		25	40	15	2	0	0	0	0	0	0	0	0
Shanawar		45	8	7	1	0	0	0	0	0	0	0	0
Shekhan		60	20	10	2	0	0	0	0	0	0	0	0
Shorla Khel		20	5	8	1	0	0	0	0	0	0	0	0
Sorab Kalay		5	25	5	1	0	0	0	0	0	0	0	0
Surkh Pul		20	10	8	1	0	0	0	0	0	0	0	0
Toto	Goar Khel	100	30	10	2	0	0	0	0	0	0	0	0
Toto	Khad Khel	30	20	10	2	0	0	0	0	0	0	0	0
Toto	Khan Jan Qala	15	20	10	3	0	0	0	0	0	0	0	0
Toto	Malek Qala	10	10	8	3	0	0	0	0	0	0	0	0
Toto	Peshdare	10	15	4	2	0	0	0	0	0	0	0	0
Toto	Qala-i-Haji	10	15	5	2	0	0	0	0	0	0	0	0
Toto	Ramal Khel	20	10	5	2	0	0	0	0	0	0	0	0
Toto	Sadah Khel	309	50	30	2	1	0	0	0	1	0	0	0
Toto	Sangar Khel	5	50	15	1	0	0	0	0	0	0	0	0

Appendix N: Damaged infrastructures in Sherzad district (Cont...)

Main village	Sub village	Number of Houses: Unaffect	Damaged	Destroyed	Priority ranking for rehabilitation	No. of Health clinic: Unaffect	Damaged	Destroyed	Priority ranking for rehabilitation	No. of School: Unaffect	Damaged	Destroyed	Priority ranking for rehabilitation
Toto	Sre Khawre	5	5	0	1	0	0	0	0	0	0	0	0
Urbashgara		30	6	3	1	0	0	0	0	0	0	0	0
Wata		30	3	2	1	0	0	0	0	0	0	0	0
Welchlegad Kholeh		35	2	0	1	0	0	0	0	0	0	0	0
Wodisar		40	10	1	1	0	0	0	0	0	0	0	0

No. of villages surveyed: 84

Appendix O: Damaged water supply infrastructures in Sherzad district

Main village	Sub village	No. of drinking water supply scheme			Priority ranking for rehabi-litation	No. of Wells			Priority ranking for rehabi-litation
		Unaffect	Damaged	Destroyed		Unaffect	Damaged	Destroyed	
Akram Khel		0	0	0	0	0	0	0	0
Alikhel		0	0	0	0	0	0	0	0
Angortak		0	0	0	0	0	0	0	0
Ashpan	Naray Jabe	0	0	0	0	25	5	1	0
Ashpan	Sor Dag	0	0	0	0	150	150	50	0
Balal Khel		0	0	0	0	0	0	0	2
Bar Asphan		0	0	0	0	7	0	3	2
Behzad Khel		0	0	0	0	2	1	0	0
Cela		0	0	0	0	0	0	0	0
Gandomak	Pas-qala	0	0	0	0	4	2	2	0
Gandomak	Qazian	0	0	0	0	15	5	5	0
Gandomak	Sangeray	0	0	0	0	3	3	0	0
Gandomak	Sawatyan	0	0	0	0	4	1	5	0
Gandomak	Shawa	0	0	0	0	3	2	3	0
Gandomak	Zangzai	0	0	0	0	10	2	1	0
Garday Menah		0	0	0	0	0	0	0	0
Gharah		0	0	0	0	60	10	3	0
Ghunday (Malalah)		0	0	0	0	7	1	1	0
Ghunday (Srah)		0	0	0	0	0	0	0	0
Godar (Jabeh)		0	0	0	0	0	0	0	0
Gonga Khel		0	0	0	0	5	1	2	0
Kachara		0	0	0	0	7	0	0	0
Kalagay		0	0	0	0	0	0	0	0
Kali Khel		0	0	0	0	0	0	0	0
Kama Termay		0	0	0	0	1	0	0	0
Kanday	Alikozai	0	0	0	0	10	5	3	0
Kanday	Kok Khel	0	0	0	0	0	0	2	0
Kanday	Panangzai	0	0	0	0	3	5	3	0
Khader Khel (Marke Khel)		0	0	0	0	0	0	0	2
Khate		0	0	0	0	3	0	0	0
Khona		0	0	0	0	0	0	0	0
Khwaza Khel		0	0	0	0	12	6	0	0
Koram		0	0	0	0	0	0	0	0
Kotagay		0	0	0	0	4	8	6	0
Koza Asphan	Mery Khel	0	0	0	0	25	10	5	3
Kudi Khel		0	0	0	0	3	2	1	0
Kuz Ashpan	Muza Khan	0	0	0	0	4	0	0	0
Kuz Ashpan	Shabaz Khel	0	0	0	0	20	0	0	0
Kuz Ashpan	Shay Khan	0	0	0	0	15	5	0	0
Kuz Ashpan	Suri Khel	0	0	0	0	20	10	0	0

Appendix O: Damaged water supply infrastructures in Sherzad district (Cont...)

Main village	Sub village	No. of drinking water supply scheme			Priority ranking for rehabilitation	No. of Wells			Priority ranking for rehabilitation
		Unaffect	Damaged	Destroyed		Unaffect	Damaged	Destroyed	
Lada Bagh		0	0	0	0	0	0	0	0
Langar Khel		0	0	0	0	1	0	0	0
Loya Termay		0	0	0	0	25	8	0	0
Malek Kala		0	0	0	0	0	0	0	0
Malek Qais kalay		0	0	0	0	0	0	0	0
Maly Khel		0	0	0	0	0	0	0	0
Mama Khel		0	0	0	0	4	4	4	0
Margha		0	0	0	0	0	0	0	0
Mirgad Khel		0	0	0	0	31	5	5	0
Muzdakay		0	0	0	0	0	0	0	0
Nandar Khel		0	0	0	0	0	0	0	0
Panangyan		0	0	0	0	0	0	0	0
Patlah	Alambeg Khel	0	0	0	0	0	10	5	0
Patlah	Khoshal Khel	0	0	0	0	5	3	0	0
Patlah	Lashkar Khel	0	0	0	0	20	5	5	0
Patlah	Muhmand	0	1	0	2	0	0	0	0
Patlah	Nader Jabee	0	0	0	0	6	4	2	0
Patlah	Spin Kalay	0	0	0	0	10	5	5	0
Rishakah		0	0	0	0	5	4	0	0
Rood	Fato kac	0	0	0	0	5	1	0	0
Rood	Jangalyan	0	0	0	0	4	4	2	0
Rood	Yosuf kac	0	0	0	0	3	7	5	0
Sada Kas		0	0	0	0	0	0	0	0
Sam Kaney		0	0	0	0	10	0	0	0
Samal Khel		0	0	0	0	3	2	3	0
Shanawar		0	0	0	0	0	0	0	0
Shekhan		0	0	0	0	6	7	0	0
Shorla Khel		0	0	0	0	0	0	0	0
Sorab Kalay		0	0	0	0	0	0	0	0
Surkh Pul		0	0	0	0	0	0	0	0
Toto	Goar Khel	0	0	0	0	50	30	10	0
Toto	Khad Khel	0	0	0	0	30	20	10	0
Toto	Khan Jan Qala	0	1	0	2	5	13	7	0
Toto	Malek Qala	0	2	0	2	3	4	2	0
Toto	Peshdare	0	1	0	3	4	7	3	0
Toto	Qala-i-Haji	0	0	0	0	3	0	3	0
Toto	Ramal Khel	0	0	0	0	4	2	1	0
Toto	Sadah Khel	0	0	0	0	290	30	20	0
Toto	Sangar Khel	0	0	0	0	3	15	5	0

Appendix O: Damaged water supply infrastructures in Sherzad district (Cont...)

Main village	Sub village	No. of drinking water supply scheme			Priority ranking for rehabi-litation	No. of Wells			Priority ranking for rehabi-litation
		Unaffect	Damaged	Destroyed		Unaffect	Damaged	Destroyed	
Toto	Sre Khawre	0	0	0	0	4	6	0	0
Urbashgara		0	0	0	0	0	0	0	0
Wata		0	0	0	0	0	0	0	0
Welchlegad Kholeh		0	0	0	0	0	0	0	0
Wodisar		0	0	0	0	0	0	0	0

No. of villages surveyed: 84

Appendix P: UN agencies and NGO activity in Sherzad district

S/N	Main village	Sub village	NGO	Activity	NGO	Activity	NGO	Activity	NGO	Activity	NGO	Activity
1	Akram Khel		UNICEF	26								
2	Alikhel		UNICEF	26								
3	Angortak		UNICEF	26								
4	Ashpan	Naray Jabe	DACAAR	18	SCA	26	GAF	8				
5	Ashpan	Sor Dag	SCA	26	GAF	8	DACAAR	27				
6	Balal Khel		UNICEF	26								
7	Bar Asphan		UNICEF	26	ADA	12						
8	Behzad Khel		UNICEF	26								
9	Cela		UNICEF	26								
10	Gandomak	Pas-qala	DACAAR	18	GAF	8	SCA	26				
11	Gandomak	Qazian	DACAAR	18	GAF	8	SCA	26				
12	Gandomak	Sangeray	DACAAR	18	GAF	8						
13	Gandomak	Sawatyan	GAF	8	SCA	26	DACAAR	18				
14	Gandomak	Shawa	DACAAR	18	GAF	8	SCA	26				
15	Gandomak	Zangzai	SCA	26	GAF	8						
16	Garday Menah		UNICEF	26								
17	Gharah		SCA	26	GAF	8	DACAAR	18				
18	Ghunday (Malalah)		UNICEF	26								
19	Ghunday (Srah)		UNICEF	26								
20	Godar (Jabeh)		UNICEF	26								
21	Gonga Khel		UNICEF	26								
22	Kachara		UNICEF	26								
23	Kalagay		UNICEF	26								
24	Kali Khel		UNICEF	26								
25	Kama Termay		DACAAR	18								
26	Kanday	Alikozai	DACAAR	18	GAF	8	SCA	26				
27	Kanday	Kok Khel	GAF	8	SCA	26						
28	Kanday	Panangzai	DACAAR	18	GAF	8	SCA	26				

Appendix P: UN agencies and NGO activity in Sherzad district (Cont...)

S/N	Main village	Sub village	NGO	Activity	NGO	Activity	NGO	Activity	NGO	Activity	NGO	Activity
29	Khader Khel (Marke Khel)		Unknown	10	UNICEF	26						
30	Khate		GAF	8	SCA	26						
31	Khwaza Khel		DACAAR	18								
32	Koram		UNICEF	26								
33	Kotagay		SCA	26	GAF	8	DACAAR	18				
34	Koza Asphan	Mery Khel	UNICEF	26								
35	Kudi Khel		DACAAR	18	GAF	8						
36	Kuz Ashpan	Muza Khan	UNICEF	26								
37	Kuz Ashpan	Shabaz Khel	UNICEF	26								
38	Kuz Ashpan	Shay Khan	UNICEF	26								
39	Kuz Ashpan	Suri Khel	UNICEF	26								
40	Lada Bagh		UNICEF	26								
41	Langar Khel		DACAAR	18	UNICEF	26						
42	Loya Termay		DACAAR	18	UNICEF	26						
43	Malek Kala		UNICEF	26								
44	Malek Qais kalay		UNICEF	26								
45	Maly Khel		UNICEF	26								
46	Mama Khel		DACAAR	20	SCA	26	GAF	8	GAA	18		
47	Margha		UNICEF	26								
48	Mirgad Khel		DACAAR	18	UNICEF	26						
49	Muzdakay		UNICEF	26								
50	Nandar Khel		UNICEF	26								
51	Panangyan		GAF	8	SCA	26						
52	Patlah	Alambeg Khel	GAF	8	SCA	26						
53	Patlah	Khoshal Khel	ADA	12	GAF	8	SCA	26				
54	Patlah	Lashkar Khel	UNICEF	26	ADA	12						
55	Patlah	Muhmand	GAF	8	SCA	26						

According to the enumerators, the displaced families might have been from neighboring districts in the province, i.e. residence of Surkh Rud, Chaparhar, and Jalalabad where the harvest has been reaped and the weather had became too hot. Therefore, the households might have chosen Sherzad as a potential job opportunity during the harvest time and sought seasonal immigration to live in a cool/comfortable weather in the summer season.

3. LAND TENURE

3.1 Cultivated Land

A total of 27,863 jeribs (5,573 ha) of arable land is cultivated annually in the surveyed area. From that, 20,990 jeribs (4,198 ha) is irrigated and 6,873 jeribs (1,375 hectares) is rainfed (see Table 3.1 and Appendix D).

Table 3.1: Land tenure

Land cultivated by households during one year (jerib)			Number of households who are			
Irrigated	Rainfed	Total	Only owner	Only tenant	Owner+tenant	Total households
20990	6873	27863	3598	732	1080	5410

No. of villages surveyed: 84

3.2 Land Ownership

Farming is a major activity of the residents of Sherzad district and most of the people were involved in agriculture. Out of 6,173 households living in area at the survey time, 5,410 of them were engaged in the farming activities. The survey shows that 3,598 households are land owners, 732 households were tenants, and 1,080 households cultivating their own land as well as renting land of other people (see Table 3.1 and Appendix D).

4. LIVESTOCK

Livestock husbandry is the other major activity of the people in the surveyed area. Selling of livestock and livestock products is one of the main source of income for the households.

Appendix P: UN agencies and NGO activity in Sherzad district (Cont...)

S/N	Main village	Sub village	NGO	Activity	NGO	Activity	NGO	Activity	NGO	Activity	NGO	Activity
56	Patlah	Nader Jabee	UNICEF	26								
57	Patlah	Spin Kalay	UNICEF	26								
58	Rishakah		UNICEF	26								
59	Rood	Fato kac	GAF	8	SCA	26						
60	Rood	Jangalyan	GAF	8	SCA	26						
61	Rood	Yosuf kac	GAF	8	SCA	26	DACAAR	18				
62	Sada Kas		UNICEF	26								
63	Sam Kaney		UNICEF	26	DACAAR	18						
64	Samal Khel		DACAAR	18	GAF	8	SCA	26				
65	Shanawar		UNICEF	26								
66	Shekhan		UNICEF	26	DACAAR	18						
67	Shorla Khel		GAF	8	SCA	26						
68	Sorab Kalay		GAF	8	SCA	26						
69	Surkh Pul		UNICEF	26								
70	Toto	Goar Khel	SCA	26	GAF	8						
71	Toto	Khad Khel	DACAAR	18	SCA	26	GAF	8				
72	Toto	Khan Jan Qala	GAF	8	SCA	26	DACAAR	18				
73	Toto	Malek Qala	GAF	8	SCA	26						
74	Toto	Peshdare	GAF	8	SCA	26						
75	Toto	Qala-i-Haji	DACAAR	18	GAF	8	SCA	26				
76	Toto	Ramal Khel	GAF	8	SCA	26						
77	Toto	Sadah Khel	DACAAR	18	SCA	2	GAF	8				
78	Toto	Sangar Khel	DACAAR	18	GAF	8	SCA	26				
79	Toto	Sre Khawre	SCA	26	GAF	8						
80	Urbashgara		UNICEF	26								
81	Wata		UNICEF	26								
82	Welchlegad Kholeh		UNICEF	26								

Appendix P: UN agencies and NGO activity in Sherzad district (Cont...)

S/N	Main village	Sub village	NGO	Activity	NGO	Activity	NGO	Activity	NGO	Activity	NGO	Activity
83	Wodisar		UNICEF	26								

No. of villages surveyed: 84

1. Agriculture
2. Agriculture/human vaccine
3. Agriculture/veterinary
4. Agriculture/veterinary/gabion
5. Agriculture/veterinary/irrigation
6. Agriculture/veterinary/road/water supply
7. Agriculture/veterinary/roads
8. Animal vaccine
9. Construction of clinic
10. Construction of intake
11. Construction of intake/bridge
12. Construction of roads
13. Construction of roads/bridge
14. Construction of roads/bridge/building
15. Construction of school
16. Construction of school/material
17. Construction of stream/bridge
18. Construction of wells
19. Construction of wells/intake
20. Construction of wells/roads
21. Cleaning of stream
22. Clinic
23. Demining
24. Horticulture
25. Human clinic
26. Human vaccine
27. Karez cleaning
28. Medicine/salary of clinic staff
29. Mine survey
30. Mosque
31. Nursery
32. Salary/teaching material
33. School
34. Stream cleaning
35. Teacher salary
36. Water supply

The majority (90%) of the households in the survey area owning/raising animals. Cattle, sheep and goats are the main livestock which are raised in the surveyed area. Besides, donkey, mule and camel are valuable transportation means in this area.

A total of 10,056 cattle, 15,476 sheep, 16,097 goats, 4,056 oxen, and 3,832 donkeys, 104 horses, and 540 mules and camels are reported in the whole survey area (see Table 4.1 and Appendix E).

Table 4.1: Livestock ownership

Percentage of household owning animal	Total number of animals						
	cattle	goat	sheep	donkey	horse	oxen	other
90	10056	16097	15476	3832	104	4056	540

No. of villages surveyed: 84

Other (mules and camels)

5. IRRIGATION INFRASTRUCTURES

5.1 Irrigation Sources

Stream[8] is one of the most important irrigation source of the survey area (79 replies), followed by springs (reported by 32 villages), and Karez[9] which was reported by 26 surveyed villages (see Table 5.1 and Appendix F).

Table 5.1: Sources of irrigation and condition of irrigation system

Source of irrigation (No. replied)				Status of irrigation system	
Canal/Stream	Karez	Spring	Well	Fully operational	Not fully operational
79	26	32	0	0	84

No. of villages surveyed: 84

8. The reference point of the survey is the village and not the irrigation system (stream, karez or spring) which may pass through or serve more than one village.

9. Subterranean canal in which a horizontal shaft from the surface is dug toward the ground-water supply (aquifer). The essentially horizontal shaft serves as a conveyance channel and can sometimes continue for up to 20 t or 30 km to the surface of the ground-water supply. Approximately every 20 to 50 meters, depending upon the depth, a vertical shaft (well) is dug directly down to the tunnel through which earth is removed and air, food, and general access provided to the diggers.

In 84 survey villages, 20,990 jeribs of land was irrigated by stream, karez and spring. The farmers in the 84 villages cited the flow status of their stream as abnormal and not fully operational. The survey data shows that 58% of the irrigation water was produce by streams (79 replies) and the other 42% of irrigation water from karezes (26 replies) and springs (32 replies).

5.2 Rehabilitation Priority

Irrigation devastation is perceived as a major constraint in the way of repatriation of refugees and as the main constraint in agriculture. Since agriculture is the back bone of economy in the survey area, the rehabilitation of the irrigation system and agriculture would definitely encourage the returning of refugees. Nevertheless, the judgment made by villagers about the flow status of irrigation water in their canals and karez indicate the necessity of its rehabilitation.

Villagers attributed reduces water flow to the poor condition of the irrigation system. Sixty four villages gave construction of intakes as their main rehabilitation priority, 8 villages cited that the reconstruction of karezes as another main desire, and four villages replied that the construction of other structures were the main demand. Maintenance of karez, maintenance and lining of water course is reported by the rest of the surveyed villages (see Table 5.2 and Appendix G).

Table 5.2: Priority ranking of the irrigation system for rehabilitation

Activities	No. of villages reported	Rank of importance
1. Construction of intake	64	1
2. Reconstruction of karez	8	2
3. Lining of water course	2	7
4. Maintenance of water course	2	6
5. Construction of other canal structures	2	5
6. Maintenance of karez	2	4
7. Others	4	3

No. of villages surveyed: 84

List of others:

1. Cleaning of stream/spring
2. Demining of spring

6. OTHER INFRASTRUCTURES

6.1 Access Road

Out of 84 surveyed villages, 31 have access roads which are useable by ordinary pick-ups, while 34 villages have access roads which can only be used by 4WD vehicles, and 19 villages use only mule tracks (see Table 6.1 and Appendix H).

Table 6.1: Type and condition of the access roads

Type of roads	Condition of the roads (No. of villages reported) Good	Fairly good	Bad
Road usable by simple pick-up	2	29	0
Road usable by 4 WD vehicles	0	26	8
Mule track	6	13	0

No. of villages surveyed: 84

The condition of roads used by ordinary vehicles was reported 'good' by two village and 'fairly good' by 29 villages, the condition of road which is useable by 4WD vehicles is reported 'fairly good' by 26 villages and 'bad' by 8 villages. The condition of mule track cited 'good' by 6 villages, 'fairly good' by 13 villages.

6.2 Drinking Water

Canal/Stream water reported as an important drinking water source (57 replies), springs (28 replies). In addition, karez make another important sources of drinking water in the survey area, 22 replies, (see Table 6.2 and Appendices I and J).

Table 6.2: Drinking water sources

Type of drinking water sources

Number of replies				Number of Private wells		Number of Public wells		Number of Diesel Water pump
Stream/ Canal	Karez	Spring	Pipe Water	Deep	Shallow	Deep	Shallow	
57	22	28	0	0	1051	0	528	0

No. of villages surveyed: 84

Shallow well can be accepted as another major source for the drinking water, in fact 1,051 private shallow wells and 528 public shallow wells are reported in the whole survey area.

Repatriation

- A total of 3,080 households have been returned to the survey area, while another 2,659 households have never been displaced. 434 households from neighboring districts have been settled in this district. Based on the survey, over 21% of the inhabitant of the surveyed area remained as refugee in Pakistan and Iran or internally displaced. Therefore, Sherzad district still remains as a refugee potential area.

Land Tenure

- A total of 27,863 jeribs (5,573 hectares) of arable land is annually cultivated in the surveyed area, out of which 20,990 jeribs (4,198 hectares) is irrigated and 6,873 jeribs (1,375 hectares) is rainfed agricultural land.

- 88% of the present households in Sherzad district are engaged in farming activities, out of which 66% of the households are working on their own land, 14% are only tenant and the remaining (20%) are both land owner and tenants.

Livestock

- According to the survey, an average of 90% households in the survey area were involved in the animal raising and livestock husbandry activities. A total of 10,056 cattle, 16,097 goats, 15,476 sheep, 4,056 oxen, and 3,832 donkeys, 104 horses, and 540 mules and camels were reported in the survey area.

Irrigation Infrastructures

- Streams, springs and karezes are the main water sources for the irrigation of the agricultural land. All villages in the survey area had complained about the abnormality of the irrigation system and the losses which happened due to poor and/or damaged structures.

- Main problem of the inhabitants were (in order of acuity) rehabilitation of the irrigation structures and reconstruction of the intake (reported by 64 villages), reconstruction of karez (reported by 8 villages), construction of other structures (reported by 4 villages).

Access Road

- Access roads fit for use by ordinary vehicles is available in 37% of the surveyed villages, roads useable by 4 WD vehicle exist for 40% of the surveyed villages, and mule tracks are used as main access road by the remaining 23% of the villages in the survey area.

Drinking Water

- Most important drinking water sources are stream (replied by 57 villagers), followed by springs (reported by 28 villagers) and karez (reported by 22 villagers). A total of 1,579 private and public shallow wells are reported in the whole survey area.

Health Facilities

- A total of 2 clinics and 15 pharmacy centers are existed in the whole survey area. An average of 50 patients per day were receiving necessary medical treatment.
- Existed clinics are located in two villages; the other 82 villages of the survey area remain with out any medical facilities whatsoever. Most villages (34%) were located in a distance of 5 or less than 5 kms from the health care centers, while 37% were located in a distance between 6 to 10 kms. Only one percent of the villages were located in a distance of over 20 kms from the nearest medical center.
- A total of 15 private pharmacies were available in the survey area. These medical stores are concentrated in 8 villages, therefore 76 villages remained without medical shops. Some 46% of the villages located in a distance of less than 5 km from the medical stores, 37% of the villages located in a distance between 6 to 10 kms, 8% of the villages remain in a distance between 11 to 15 km, 8% of the villages remain at a distance between 16 to 20 km and only 1% of the village located at a distance over 20 kms from the medical shops.
- During the interviews with household, it became apparent that villagers mostly rely upon the medical facilities available in Jalalabad city, therefore the distance marked above 20 kms shows the distance of villages from the center of Jalalabad.

Education

- A total of 10 public schools and two home schools were operating in the survey area. Out of which, 7 primary and 3 secondary schools were open for boys and no schools for girls were operative. Total number of boy students attended classes were 3,520. A total of 118 male teachers were involved to teach students in these schools, in the survey area.
- School buildings like most other infrastructures have been effected by the war and conflict the past one and half decade. Of the 6 school buildings in the survey area, only 2 buildings found unaffected, while another 4 buildings were completely destroyed.

Damaged Infrastructures

- Almost (100%) of the drinking water supply scheme have been damaged. In addition to 67% of school buildings, 40% of houses and 40% of the wells have been either damaged or completely destroyed.

- Interviews with the inhabitant of the survey area revealed that the reconstruction and rehabilitation of different type of structures were the immediate demand of the people. Demand have been prioritized as per needs of inhabitant. Priority number one was found to be reconstruction of the damaged or destroyed houses, second priority is construction of the wells, third priority is construction of drinking water scheme and fourth priority is construction of school building.

UN Agencies and NGOs Activities

- A total of 7 UN Agencies and NGOs have worked in the surveyed villages of Sherzad district. For names and activities see Appendix P.

BASELINE SURVEY OF SHERZAD DISTRICT

NANGARHAR PROVINCE

JUNE 1998

Prepared For:

MADERA/DACAAR/GAA

Prepared BY:

Agency Coordinating Body for Afghan Relief
ACBAR Survey Unit

October 1998

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ABBREVIATIONS AND MEASURES

ACBAR	Agency Coordinating Body for Afghan Relief
ARC	Austrian Relief Committee
ADA	Afghan Development Association
ASU	ACBAR Survey Unit
CSO	Central Statistics Office
DACAAR	Danish Committee for Aid to Afghan Refugees
GAA	German Agro Action
GAF	German Afghanistan Foundation
HRP	Hewad Rehabilitation Project
IDP	Internal Displaced People
LBI	Lajnat Al Birr Al Islamia
MADERA	Mission of Aid for Development of Rural Economies
NGO	Non Governmental Organization
SCA	Swedish Committee for Afghanistan
UNHCR	United Nations High Commissioner for Refugees
UNICEF	United Nation Children Funds
WHO	World Health Organization

J	jerib
Ha	hectare
One jerib	equal to 0.2 hectare

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The questionnaire of this survey was designed in a joint session of the ACBAR, MADERA/DACAAR/GAA, and was finalized by ASU. Thanks go to all of those who participated in designing and completion of the survey questionnaire.

M. Omar Anwarzay, ACBAR Survey Unit Manager, trained enumerators, organized the field survey and edited text and tables of the survey report. ASU Field Coordinator, Sultan Mohammad, as well as Survey Consultant, Sayed Habib, visited survey areas and supervised survey progress and carried out quick assessment of the surveyed areas. Eng. Rahimullah Rahim, Report Writer, drafted the tables and wrote this report. Data analysis and processing were completed by Abdul Rahman, Data Analyst; Engineer Ziauddin, Assistant Data Analyst; and Khalil Rahman Haqjo. Their hard work is acknowledged.

ACBAR would like to thank all farmers, village elders, and local governing authorities, who participated and cooperated in this survey, the results of which are consolidated in this report.

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SUMMARY AND CONCLUSIONS

The MADERA/DACAAR/GAA, Non governmental organizations (NGOs) initiated the Baseline Survey by the Agency Coordinating Body for Afghan Relief, Survey Unit (ACBAR/ASU) to provide basic information about three districts in Nangarhar Province (Khogiani, Hesarak, Sherzad) and one district in Kunar Province (Pech). The main goal of the survey was to enable the above organizations and other development agencies to better target rehabilitation programs in Afghanistan. The survey is the most systematic attempt so far in identifying the most urgent needs to keep track of repatriation activities in particular areas inside Afghanistan.

The survey was conducted during June 1998 in order to provide baseline data about household, population and shelter status, repatriation, agricultural land, livestock, irrigation system, drinking water sources, communication means, health and education facilities and other infrastructures (see Appendix A).

This survey constitute the first stage in a great scheme. By integrated action in the field, this scheme aims to repatriate the IDPs and refugee families and identify the main development problems of the area.

The survey data were gathered on a village basis through group interview with village leaders, tribal elders, landowners, and other important and knowledgeable individuals.

The survey report is structured for ease of reference with related tables, presented with the text and relevant lists (at village level) in Appendices.

All information gathered from the field survey forms, reports and other references is sorted out for every district, separately. Hereby the information/description gathered in this specific report provide you a comprehensive information about Sherzad district (Nangarhar).

The results of the survey are as follows:

Population

- The total population of the 84 villages of Sherzad district is estimated 7,844 households at the survey time, out of which 6,173 households were living in the district, while another 1,671 households were either refugee in Pakistan and Iran or maintained as IDPs in other areas inside Afghanistan. The average number of people per household supposed to be 8, thus the total population of the survey area, presently settled, could be estimated 49,384.